1981
YEARBOOK

MANITOBA AGRICULTURE

MANITOBA

FOREWORD

This publication is the nineteenth in the Yearbook series initiated in 1963. The same format, which includes recent and historical data from 1947, has been continued for the convenience of users. In addition, this issue contains estimates and data converted to the International Standards. The metric conversion factors used are shown in the Sources and Methods section. Minor changes are also made annually whenever new or more detailed information becomes available. Revisions in previous years' estimates are made as more recent and more accurate data are received.

The census division and crop district boundaries were changed in 1976. The first small area estimates using new boundaries were made in 1977. These estimates by crop districts are made annually for seeded area and production of wheat, oats, barley, flaxseed, rapeseed (canola) and hay; cattle and hog numbers on farms, July 1; and, commercial marketings of cattle and hogs.

Cooperation between Statistics Canada and Manitoba Agriculture is maintained on a well-defined basis to secure and to present the best possible agricultural statistics. The assistance of the many contributors of information received from other government departments, farm businesses, farmer organizations and farmers is acknowledged. Sincere appreciation is extended to the secretarial staff of the Economic Analysis and Policy Development Branches for typing, collating and editing the manuscript.

The compilation and assembly of all material were done by M. Daciw (retired), Senior Statistical Analyst; Dr. Errol T. Lewis; W.I. Carr, Statistical Analyst; and, A.W. Strutinsky, Research Officer of the Statistical Analysis Section, Manitoba Agriculture.

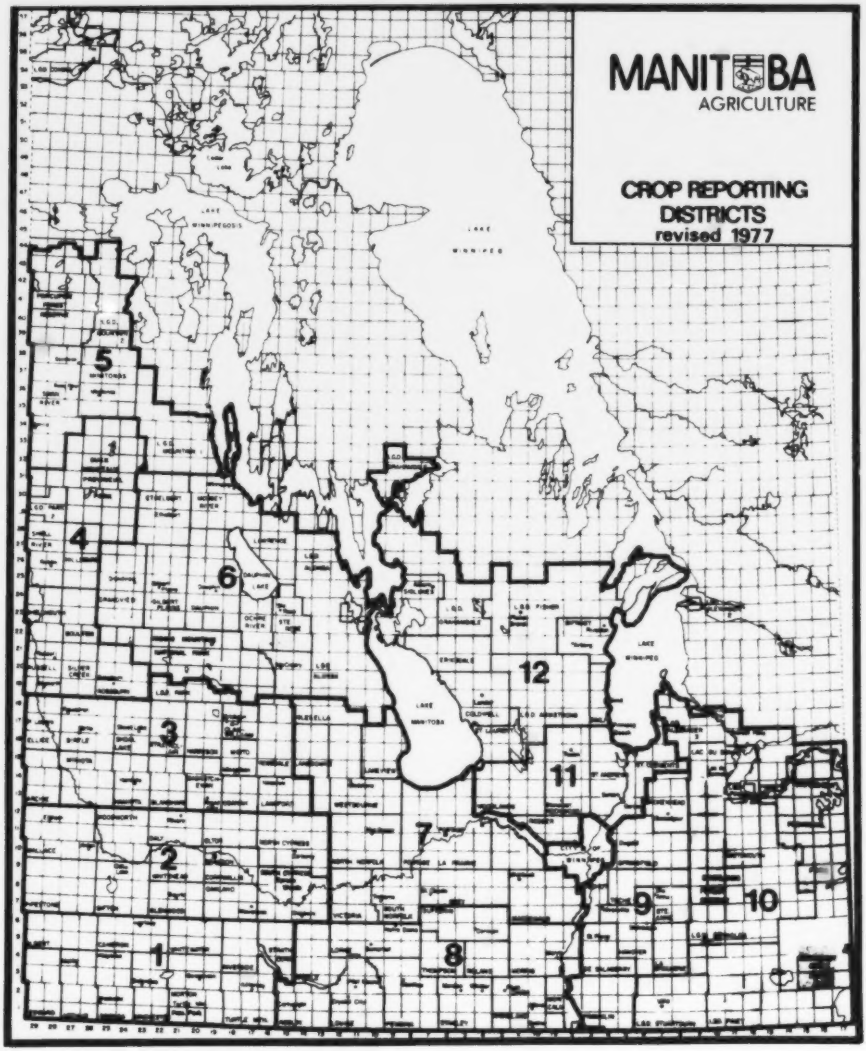
Suggestions for improving the usefulness of the manuscript can be sent to Dr. Errol T. Lewis, Chief, Statistical Analysis Section, Policy and Economics Division, 903 Norquay Building, 401 York Avenue, Winnipeg, Manitoba R3C 0V8.

F.L. Paquin
Director
Economic Analysis Branch
Manitoba Agriculture

Contents

	Recent Events Page	Past Trends Page
1981 IN BRIEF	5	-
Production Value Summary	-	49
CROPS		
Production Value Summary	6	49
Wheat	7	50-51
Oats	9	52-53
Barley	11	54-55
Flax	13	56-57
Rye	14	58-59
Mixed Grains	15	60-61
Grain Corn	15	62-63
Field Peas	15	64-65
Buckwheat	15	66-67
Sunflowers	15	68-69
Other Special Crops	15	-
Rapeseed	16	68-69
Mustard Seed	16	66-67
Tame Hay and Silage	17	70-71
Silage Corn	17	72-73
Sugar Beets	18	74-75
Potatoes	18	76-77
Horticultural Crops	18	82
Vegetables	18	82
Seed Production	20	82
Elevator Capacity and Storage	23	-
Marketings	(incl. above)	78-79
Stocks on Farms	(incl. above)	80-81
LIVESTOCK		
Production Value Summary	25	83
Cattle	25	84
Hogs	30	86
Sheep	32	88
Dairy	33	89-90
Poultry	35	91
Horses	36	-
Prices	(incl. above)	92-93
Numbers on Farms	(incl. above)	94
OTHER PRODUCTS (Honey, Fur, Forest)	37	95

	Recent Events	Past Trends
	Page	
RESOURCES		
Lands and Farms		
Land Use	38	96-97
Farm Numbers, Size, Types	39	96-97
Land Values	40	96-97
Tenure	41	96-97
People		
Population	41	98
Farm Labour Force	41	98
Farm Wages	41	-
Capital		
Investment in Agriculture	42	98
Selected Resources:		
Home Grown Grain Used on Farms	-	99
Machinery	42	100
Fertilizer	43	101
Herbicides	43	101
Price Indexes of Purchases by Farmers	-	102
INCOME		
Farm Cash Income	44	103-105
Farm Cash and Overhead Expenses	45	106
Farm Net Income	45	107
Price Index of Farm Products, Income per Farm	-	108
WEATHER	46	109-111
MANITOBA AGRICULTURE IN PERSPECTIVE	48	-
Relationship to Canadian Agriculture	48	-
MAP	4	
SOURCES AND METHODS	112	
METRIC CONVERSION FACTORS	115	


MANITOBA
AGRICULTURE
CROP REPORTING
DISTRICTS
revised 1977
1
2
3
4
5
6
7
8
9
10
11
12

1981 IN BRIEF
Value of Farm Production

The value of farm production continues to increase. The value of crop production stood at $1,451 million, 29 percent higher than 1980. Except for flaxseed, field peas, buckwheat and potatoes, prices were lower in 1981 suggesting that the increased value was mainly due to a 9 percent increase in the area of production. The value of livestock production was 2 percent less than in 1980. This was due to a combination of lower numbers of cattle and hogs and higher prices than in 1980, the net effect of which was the decline in value of production. Values of dairy products and poultry exceeded that of 1980.

Farm Production Value, Manitoba, 1979 - 1981

	1979	1980	1981
		(million dollars)	
Crops	1,028	1,122	1,451
Livestock	537	533	524
Other (Fur, Honey, P M U., Forest Products, etc.)	15	14	16
Total	1,580	1,669	1,991

Cash Income

Farm cash income includes cash proceeds from the sale of agricultural products save those consumed at the farm. All deficiency, supplementary and final Canadian Wheat Board payments are included. Cash income in 1981 was 12 percent higher than in 1980 and 26 percent above 1979.

Farm Net Income

Farm net income depicts income derived from the sale of agricultural products less farm operating expenses and depreciation allowances. In 1981, farm net income rebounded much more dramatically than did its decline of 1980. There was more than a 600 percent increase between 1980 and 1981. This increase was mainly the result of increases in value of inventory change, the opposite to the 1980 situation. Farm net income set a record for Manitoba eclipsing the previous record of $398 million set in 1975 by 7 percent.

Farm Net Income Summary, 1979 - 1981

	1979	1980	1981
		(thousand dollars)	
Farm Cash Income	1,308,352	1,463,599	1,645,387
Income-in-Kind	17,689	17,357	18,318
Realized Gross Income	1,326,041	1,480,956	1,663,705
Cash and Overhead Expenses	1,050,063	1,215,950	1,438,280
Realized Net Income	275,978	265,006	225,425
Value of Inventory Change	-49,295	-205,277	201,846
TOTAL NET INCOME	226,683	59,729	427,271

Crop Production

Total area of crop production was estimated at approximately 11 million acres (4 million hectares), up by 9 percent over 1980. Increases were shown in wheat (18 percent), oats (33 percent), barley (21 percent) and corn (61 percent) with declines in flaxseed (13 percent) and rapeseed (canola) (25 percent). Yields of all crops were higher than in 1980 with rye and corn posting records.

Total expenses were the highest on record, being 18 percent higher than 1980. Interest cost was 39 percent higher than 1980 and, together with fuel, repairs of machinery, fertilizer, pesticides and feed, constituted 57 percent of all expenses in 1981.

Warm, dry weather permitted cultivation and seeding operations to become general by May 10. Rains to replenish the moisture reserve came in late May and early June throughout most of the province. Weed growth was average but herbicide spraying was hampered by high winds and rain. Crop growth advanced rapidly with very hot July weather and adequate moisture. By August 10, swathing became general and was completed by August 20, while combining was general by August 20 and completed by September 15, despite continuing rains during most of August. With the return of warm, dry weather in September, harvesting was completed about one month earlier than in recent years.

CROPS

1981 Summary of Production

Crop	Acres	Yield per Acre	Production	Farm Value Per Bushel	Farm Value Total
		(bushels)	(bushels)	$	($'000)
Wheat	3,900,000	31.3	122,200,000	4.59	560,520
Oats	600,000	50.0	30,000,000	1.48	44,448
Barley	2,350,000	45.5	107,000,000	2.50	267,950
Flaxseed	700,000	14.7	10,300,000	8.19	84,364
Rapeseed/Canola	600,000	22.5	13,500,000	6.23	84,150
Rye	190,000	36.3	6,900,000	3.55	24,514
Mixed Grains	120,000	45.0	5,400,000	2.34	12,650
Grain Corn	225,000	75.6	17,000,000	2.72	46,224
Field Peas	100,000	29.0	2,900,000	6.81	19,750
Buckwheat	125,000	16.8	2,100,000	8.26	17,342
		(pounds)	(pounds)	(pound)	
Sunflowers	270,000	1,296	350,000,000	.103	36,093
Mustard Seed	45,000	933	42,000,000	.173	7,277
Forage Seed	—	—	—	—	6,681
Other Special Crops	101,000	—	—	—	14,496
		(tons)	(tons)	(ton)	
Tame Hay	1,250,000	2.0	2,500,000	54.43	136,080
Silage Corn	50,000	7.8	390,000	18.15	7,080
Sugar Beets	27,747	13.5	374,500	50.53	18,924
		(bushels)	(bushels)	(bushel)	
Horticulture					
Potatoes	40,900	280	11,500,000	3.15	36,140
Other Vegetables	—	—	—	—	8,361
Ornamentals	—	—	—	—	14,000
Miscellaneous	—	—	—	—	4,200
	10,694,647				1,451,244

Crop	Hectares	Yield per Hectare	Production	Farm Value Per Tonne	Farm Value Total
		(kilograms)	(tonnes)	$	($'000)
Wheat	1 578 000	2 110	3 326 000	168.53	560,520
Oats	243 000	1 905	463 000	96.00	44,448
Barley	951 000	2 450	2 330 000	115.00	267,950
Flaxseed	283 000	925	262 000	322.00	84,364
Rapeseed/Canola	243 000	1 260	306 000	275.00	84,150
Rye	76 400	2 290	175 100	140.00	24,514
Mixed Grains	48 600	2 260	110 000	115.00	12,650
Grain Corn	91 000	4 750	432 000	107.00	46,224
Field Peas	40 500	1 950	79 000	250.00	19,750
Buckwheat	50 600	910	46 000	377.00	17,342
Sunflowers	109 300	1 455	159 000	227.00	36,093
Mustard Seed	18 200	1 040	19 000	383.00	7,277
Forage Seeds	—	—	—	—	6,681
Other Special Crops	40 900	—	—	—	14,496
Tame Hay	506 000	4 480	2 268 000	60.00	136,080
Silage Corn	20 200	17 525	354 000	20.00	7,080
Sugar Beets	11 229	30 255	339 750	55.70	18,924
Horticulture					
Potatoes	16 600	19 980	311 660	115.67	36,140
Other Vegetables	—	—	—	—	8,361
Ornamentals	—	—	—	—	14,000
Miscellaneous	—	—	—	—	4,200
	4 327 529				1,451,244

WHEAT

Production

Total production was estimated at 122,200,000 bushels (3 326 000 tonnes). Prices decreased from 1980 and are expected to average approximately $4.59 per bushel ($168.53 per tonne) at the farm. The value of the 1981 crop was estimated at $560,520,000.

The area seeded to wheat has varied considerably since 1880. It increased very rapidly from 51,293 acres (20 800 hectares) in 1881 to 3,141,500 acres (1 271 300 hectares) in 1906. Since then the harvested area reached three million acres (1 214 000 hectares) in 20 out of 74 years, most of which occurred since 1962. In 1981, the area in wheat was estimated at 3,900,000 acres (1 578 000 hectares). Markets, prices and government policies are important factors in determining production and are mainly responsible for any large variations in the seeded area.

Average yields and total production during the past two crop years are shown in the following tables:

	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
Crop District	**1980**	**1981**	**1980**	**1981**	**1980**	**1981**
1	478	526	16.7	30.1	7,961	15,827
2	357	422	19.6	29.8	7,014	12,571
3	371	410	25.3	32.1	9,395	13,150
4	141	189	25.6	34.0	3,604	6,419
5	158	187	24.4	32.9	3,849	6,147
6	234	264	23.6	31.7	5,524	8,363
7	438	537	18.4	31.9	8,051	17,117
8	544	668	18.8	32.4	10,244	21,625
9	318	342	25.5	30.6	8,120	10,460
10	38	46	23.8	28.1	906	1,293
11	147	190	23.4	30.8	3,439	5,849
12	76	119	24.9	28.4	1,893	3,379
Province	3,300	3,900	21.2	31.3	70,000	122,200

	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (tonnes)	
Crop District	**1980**	**1981**	**1980**	**1981**	**1980**	**1981**
1	193	213	1 123	2 024	216 700	430 700
2	144	171	1 318	2 004	190 900	342 100
3	150	166	1 701	2 159	255 700	357 900
4	57	76	1 722	2 286	98 100	174 700
5	64	76	1 641	2 213	104 700	167 300
6	95	107	1 587	2 132	150 300	227 600
7	177	217	1 237	2 145	219 100	465 900
8	220	270	1 264	2 179	278 800	588 500
9	129	138	1 715	2 058	221 000	284 700
10	15	19	1 601	1 890	24 700	35 200
11	60	77	1 574	2 071	93 600	159 200
12	31	48	1 675	1 910	51 500	92 000
Province	1 335	1 578	1 426	2 105	1 905 100	3 325 800

Durum wheat is included in total wheat production. Seeded area was estimated at 250,000 acres (101 200 hectares) in 1981, an increase of 67 percent over 1980. Average yield was 28.8 bushels per acre (1 940 kilograms per hectare) compared to 18.7 bushels per acre (1 250 kilograms per hectare) in 1980. Total production was estimated at 7,200,000 bushels (196 000 tonnes), an increase of 157 percent over 1980. Durum wheat is grown mainly in the southern crop districts.

Grades of spring wheat and durum wheat were above the 1980 level. The following estimated percentage distribution of wheat on farms by grade includes carry-over from the previous crop year.

	Bread Wheat	
	1980	1981
	(percent)	
No. 1 C.W.R.S.	0.4	15.4
No. 2 C.W.R.S.	11.8	41.2
No. 3 C.W.R.S.	69.1	29.3
No. 1 & 2 Utility	7.6	12.5
Others	11.1	1.6
Total All Grades	100.0	100.0

	Durum Wheat	
	1980	1981
	(percent)	
No. 1 C.W. Amber Durum	—	1.5
No. 2 C.W. Amber Durum	0.8	10.0
No. 3 C.W. Amber Durum	16.8	36.3
No. 4 C.W. Amber Durum	35.3	40.3
No. 5 C.W. Amber Durum	47.1	11.9
Total All Grades	100.0	100.0

Protein content of wheat was lower in 1981 than in 1980. The variations among the different crop districts are shown in the following records for the last two years.

	Percent Protein in Wheat			
	1980		1981	
Crop District	Mean	Range	Mean	Range
1	15.2	11.4 - 17.6	14.3	9.9 - 17.1
2	14.6	11.0 - 17.4	14.3	10.6 - 17.8
3	13.4	9.7 - 16.5	13.5	9.7 - 17.3
4	13.1	10.3 - 16.6	13.5	9.3 - 17.3
5	13.7	10.5 - 16.0	13.4	9.9 - 17.7
6	14.0	10.6 - 16.7	13.2	10.0 - 16.5
7	14.7	10.9 - 17.3	13.9	10.0 - 16.8
8	14.9	11.1 - 17.3	14.2	10.5 - 18.0
9	13.7	10.7 - 16.1	13.7	9.6 - 16.3
10	—	—	12.7	12.2 - 13.8
11	13.7	10.1 - 16.7	13.7	9.8 - 16.6
12	13.9	10.6 - 15.8	13.5	10.3 - 16.5
Province	14.3		13.7	

Wheat sales since the beginning of the crop year increased from the previous year. In the period August 1 to the end of December, 1981, country elevator receipts were 59.9 million bushels (1 630 000 tonnes) compared to 33.9 million bushels (923 600 tonnes) for the corresponding period in 1980. Approximately 10.0 million bushels (274 000 tonnes) were used on farms for seed and feed.

Wheat prices during the period August 1 to December 31, 1981 were considerably below those for the same period in 1980. Durum wheat prices were also substantially lower in 1981. The average farm value for all wheat for the 1981-82 crop year is estimated at $4.59 per bushel ($168.53 per tonne) after deducting transport, handling, administration and storage charges.

1981 Wheat Crop Prices

Grade	Jan.	Feb.	Mar.	Apr.	May	June	July
	-- Dollars per Tonne at Thunder Bay — — Wheat Board Quotations —						
1 C.W. Red Spring 13.5%	267.29	259.18	243.48	240.19	240.30	229.32	229.74
2 C.W. Red Spring 13.5%	261.69	253.58	237.88	234.59	234.70	223.72	224.14
3 C.W. Red Spring	250.69	242.58	226.88	223.59	223.70	212.07	212.37
No. 1 Canada Utility	250.69	242.58	226.88	223.59	223.70	212.72	213.14
No. 2 Canada Utility	244.69	236.58	220.88	217.59	217.70	206.72	207.14
1 C.W. Amber Durum	290.34	287.35	274.37	258.20	255.57	233.13	219.68
2 C.W. Amber Durum	288.50	285.51	272.53	253.80	250.57	228.13	214.68
3 C.W. Amber Durum	281.66	278.67	265.69	246.96	243.73	221.29	207.84

	Aug.	Sept.	Oct.	Nov.	Dec.	Initial Payment 1981-82
1 C.W. Red Spring 13.5%	223.88	220.44	224.89	227.83	218.25	174.50
2 C.W. Red Spring 13.5%	218.28	214.84	219.29	222.23	212.65	168.71
3 C.W. Red Spring	211.26	205.56	209.29	212.23	202.65	163.71
No. 1 Canada Utility	207.68	205.56	209.29	212.23	202.65	161.71
No. 2 Canada Utility	201.68	199.56	203.29	206.23	196.65	155.71
1 C.W. Amber Durum	221.07	229.15	234.28	223.16	204.80	174.50
2 C.W. Amber Durum	216.07	224.15	229.28	218.16	199.80	171.71
3 C.W. Amber Durum	209.23	217.31	222.44	211.32	194.71	169.71

OATS

Total production is estimated at 30,000,000 bushels (463 000 tonnes) with a total farm value of $44,448,000. The 1981 production total was the highest since 1978 and was attributable to a 33 percent increase in harvested acres plus a 10 bushel per acre (380 kilogram per hectare) increase in yield over both 1980 area and yield, respectively.

	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
Crop District	**1980**	**1981**	**1980**	**1981**	**1980**	**1981**
1	53	62	31.5	50.0	1,671	3,102
2	87	100	36.6	46.3	3,182	4,628
3	59	55	51.0	52.9	3,011	2,909
4	24	34	50.5	52.5	1,211	1,785
5	15	23	40.2	50.0	603	1,151
6	36	80	40.8	50.4	1,467	4,034
7	59	80	34.5	53.0	2,038	4,239
8	30	44	37.4	53.7	1,122	2,363
9	33	45	45.3	50.5	1,494	2,274
10	9	14	45.2	42.4	407	593
11	23	30	37.3	48.6	858	1,457
12	22	33	42.5	44.4	936	1,465
Province	450	600	40.0	50.0	18,000	30,000

Crop District	Harvested Hectares (000) 1980	1981	Yield per Hectare (kilograms) 1980	1981	Production (tonnes) 1980	1981
1	21	25	1 200	1 906	25 800	47 800
2	35	41	1 395	1 764	49 100	71 400
3	24	22	1 944	2 016	46 400	44 900
4	10	14	1 925	2 001	18 700	27 500
5	6	9	1 532	1 906	9 300	17 800
6	15	32	1 555	1 921	22 600	62 200
7	24	32	1 315	2 020	31 400	65 400
8	12	18	1 425	2 046	17 300	36 400
9	13	18	1 726	1 925	23 100	35 100
10	4	6	1 723	1 616	6 300	9 100
11	9	12	1 422	1 852	13 200	22 500
12	9	14	1 620	1 692	14 400	22 600
Province	182	243	1 524	1 906	277 600	462 700

Oats for hay is not included in the above data. In 1981, an additional 100,000 acres (40 500 hectares) of oats were planted and cut for hay.

The quality of oats was improved over the 1980 crop as 3.3 percent graded above No. 1 Feed in 1981 compared to 1.3 percent in 1980. The relative percentage of the crop grading at No. 1 Feed was virtually unchanged from 1980.

Sales of oats increased substantially in 1981 as in the period August 1 to December 31, 1981, 2,200,000 bushels (33 800 tonnes) were delivered by producers to primary elevators. This data compare with a 1980 delivery total of only 1,000,000 bushels (15 300 tonnes).

Generally, prices for 1981 oats were increased over 1980 levels at the start of the year. By July 1981, prices had dropped to 1980 levels and, by the end of the year, were below 1980 levels for all grades. The average 1981 oats price received by Manitoba producers was $1.48 per bushel ($96 per tonne).

1981 Oat Crop Prices

Grade	— Dollars per Tonne at Thunder Bay — — Winnipeg Commodity Exchange Cash Quotations — Jan.	Feb.	Mar.	Apr.	May	June	July
2 C.W.	157.09	153.36	148.82	145.71	140.67	132.56	129.05
Ex. 1 Feed	155.09	151.36	146.82	143.71	138.67	130.56	127.05
1 Feed	153.09	149.39	144.80	140.69	136.67	128.56	125.05
2 Feed	149.59	145.89	141.30	137.19	133.17	125.06	121.55
3 Feed	146.09	142.39	137.80	133.69	129.67	121.56	118.05

Grade	Aug.	Sept.	Oct.	Nov.	Dec.	Initial Payment 1981-82
2 C.W.	117.42	117.40	119.72	126.84	134.91	114.00
Ex. 1 Feed	115.27	114.90	117.22	124.34	132.41	112.00
1 Feed	113.04	112.40	114.72	121.84	129.91	110.00
2 Feed	109.54	108.90	111.22	118.34	126.41	105.92
3 Feed	106.04	105.40	107.72	114.84	123.51	102.92

BARLEY

Barley production was up almost 50 percent in 1981 compared to 1980. A total seeded area of 2,350,000 acres (951 000 hectares) and an average yield of 45.5 bushels per acre (2 450 kilograms per hectare) combined to produce 107,000,000 bushels (2 330 000 tonnes) in 1981, an all-time record production. The 1981 total farm value figure of $267,950,000 is also a record high.

Crop District	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1980	1981	1980	1981	1980	1981
1	178	216	27.9	46.1	4,970	9,958
2	209	271	33.7	42.7	7,034	11,562
3	262	329	46.6	46.7	12,221	15,361
4	90	112	45.1	43.2	4,060	4,833
5	121	122	37.2	42.5	4,505	5,182
6	116	159	38.4	41.9	4,450	6,659
7	335	323	31.0	48.2	10,383	15,556
8	300	376	33.1	51.3	9,943	19,289
9	150	169	40.8	46.2	6,122	7,808
10	25	21	37.6	38.1	939	801
11	132	137	33.6	43.5	4,429	5,953
12	82	115	35.9	35.1	2,944	4,038
Province	2,000	2,350	36.0	45.5	72,000	107,000

Crop District	Harvested Hectares (000)		Yield per Hectare (kilograms)		Production (tonnes)	
	1980	1981	1980	1981	1980	1981
1	72	87	1 501	2 480	108 200	216 800
2	85	110	1 813	2 297	153 200	251 800
3	106	133	2 507	2 512	266 100	334 500
4	36	45	2 426	2 324	88 400	105 200
5	49	49	2 001	2 286	98 100	112 800
6	47	64	2 066	2 254	96 900	145 000
7	136	131	1 668	2 593	226 100	338 700
8	121	152	1 781	2 760	216 500	420 000
9	61	68	2 195	2 486	133 300	170 000
10	10	9	2 023	2 050	20 400	17 400
11	53	56	1 808	2 340	96 400	129 600
12	33	47	1 931	1 888	64 100	87 900
Province	809	951	1 937	2 448	1 567 700	2 329 700

Quality of the 1981 crop was improved from 1980. Percentage grading No. 2 C.W. was 9.9 percent in 1981 compared to 1.8 percent in 1980 while 74.3 percent of the 1981 crop graded No. 1 Feed, up from 70.7 percent in 1980.

Grade	1980 percent	1981 percent
2 C.W. and higher, 2-Row and 6-Row	1.8	9.9
No. 1 Feed	70.7	74.4
No. 2 Feed and lower	27.5	15.7
Total All Grades	100.0	100.0

Barley sales were up in 1981 compared to 1980. Deliveries by producers to December 31, 1981 in the 1981-82 crop year totalled 23,700,000 bushels (515 500 tonnes) compared with the same date 1980 (1980-81 crop year) figure of 19,500,000 bushels (424 900 tonnes).

Barley prices for all grades were significantly higher than 1980 levels for the first half of 1981. From July to December, 1981, however, prices dropped to substantially below the 1980 levels. The 1981 average farm price of barley is estimated at $2.50 per bushel ($115 per tonne).

1981 Barley Crop Prices

	— Dollars per Tonne at Thunder Bay — — Winnipeg Commodity Exchange Cash Quotations —						
Grade	Jan.	Feb.	Mar.	Apr.	May	June	July
1 C.W. 6-Row	217.41	214.11	209.57	207.78	198.98	192.66	181.84
2 C.W. 6-Row	217.41	214.11	209.57	207.78	198.98	192.66	181.84
1 C.W. 2-Row	217.41	214.11	209.57	207.78	198.98	192.66	178.43
2 C.W. 2-Row	217.41	214.11	209.57	207.78	198.98	192.66	178.43
1 Feed	152.24	151.42	147.40	147.15	148.90	141.69	145.49
2 Feed	150.24	149.42	145.40	145.15	147.05	139.76	143.76
3 Feed	141.74	141.67	138.40	138.43	140.40	133.19	136.99

	Aug.	Sept.	Oct.	Nov.	Dec.	Initial Payment 1981-82
1 C.W. 6-Row	172.24	172.51	170.36	175.41	168.96	126.93
2 C.W. 6-Row	172.24	172.51	170.36	175.41	168.96	125.93
1 C.W. 2-Row	170.99	172.51	170.36	175.41	168.96	126.93
2 C.W. 2-Row	170.99	172.51	170.36	175.41	168.96	125.93
1 Feed	133.72	126.66	125.12	118.02	118.84	124.00
2 Feed	131.73	124.66	122.99	115.71	116.68	121.43
3 Feed	125.22	119.51	117.99	110.71	111.37	116.43

FLAXSEED

Production increased 21.2 percent over 1980 primarily because of improved yields. Manitoba produced an estimated 60 percent of production valued at $84,364,000 in 1981.

Crop District	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1980	1981	1980	1981	1980	1981
1	110.4	125.4	8.5	13.5	935.7	1,695.3
2	77.0	66.5	10.1	12.8	775.1	853.8
3	43.3	41.1	14.0	15.7	607.0	643.6
4	6.3	4.2	14.4	17.1	90.9	71.9
5	18.8	11.2	12.4	15.4	233.5	172.2
6	44.1	37.2	11.3	13.4	499.9	499.1
7	205.8	138.0	9.1	14.9	1,864.1	2,053.5
8	195.6	185.6	10.8	16.5	2,119.7	3,068.7
9	38.8	38.0	12.5	15.2	485.2	576.6
10	6.9	7.8	14.0	11.5	96.3	89.5
11	39.3	26.4	10.6	13.5	415.9	356.9
12	13.7	18.6	12.9	11.8	176.7	218.9
Province	800.0	700.0	10.4	14.7	8,300.0	10,300.0

Crop District	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (tonnes)	
	1980	1981	1980	1981	1980	1981
1	44.7	50.7	534	847	23 800	43 100
2	31.2	26.9	634	803	19 700	21 700
3	17.5	16.6	879	985	15 400	16 300
4	2.6	1.7	904	1 073	2 300	1 800
5	7.6	4.5	778	967	5 900	4 400
6	17.9	15.0	709	841	12 700	12 700
7	83.3	55.8	571	935	47 300	52 100
8	79.2	75.1	678	1 036	53 800	77 900
9	15.7	15.4	785	954	12 300	14 600
10	2.8	3.1	879	722	2 500	2 300
11	15.9	10.7	665	847	10 600	9 100
12	5.6	7.5	810	741	4 500	5 600
Province	324.0	283.0	653	923	210 800	261 600

Quality of the 1981 crop was above that of 1980. Approximately 95.0 percent of the 1981 crop graded No. 1 C.W. compared to 76.3 percent in 1980.

FLAXSEED

Flaxseed deliveries increased in 1981. From August 1 to December 31, 1981, 4,200,000 bushels (107 400 tonnes) were delivered compared with 3,600,000 bushels (92 300 tonnes) during the same 1980 period.

Flaxseed prices were much improved over 1980 levels until July, 1981. Third quarter prices were lower in 1981 than 1980. October and November saw a reversal of the second half of the 1981 downward trend but year-ending prices remained below corresponding 1980 levels.

1981 Flaxseed Crop Prices

— Dollars per Tonne at Thunder Bay —
— Winnipeg Commodity Exchange Cash Quotations —

Grade	Jan.	Feb.	Mar.	Apr.	May	June
1 Canada	382.18	361.79	361.14	379.60	387.43	369.74
2 Canada	380.18	359.79	359.14	377.60	385.43	367.74
3 Canada	331.46	311.79	311.14	329.60	341.68	326.55
	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Canada	365.93	363.12	346.26	370.81	381.17	359.75
2 Canada	363.93	361.12	344.26	368.81	379.17	357.75
3 Canada	325.93	323.12	306.26	330.81	341.17	319.75

RYE

Total farm value of production was estimated at $24,514,000. Harvested area was 190,000 acres (76 400 hectares) in 1981 compared to 150,000 acres (60 800 hectares) in 1980. The average yield was estimated at 36.3 bushels per acre (2 290 kilograms per hectare) in 1981 compared to 19.6 bushels per acre (1 230 kilograms per hectare) in 1980. Of the total rye area, 6,000 acres (2 400 hectares) of spring rye were sown in 1981 compared to 2,000 acres (800 hectares) in 1980. Yield and production [of 6,900,000 bushels (175 100 tonnes)] in 1981 are both all-time record highs.

Approximately 60 percent of the total Manitoba fall rye area was planted in the Southwest and Northwest Regions, with 35 percent of the remaining 40 percent sown in the Central Region. Rye deliveries (from August 1 to December 31, 1981) of 2,950,000 bushels (75 000 tonnes) more than doubled from the same period in 1980 [deliveries of 1,400,000 bushels (35 200 tonnes)].

No. 1 Canada rye prices in 1981 were generally higher than 1980 prices in seven out of the 12 months (exceptions being June, August, October, November and December).

The producer price in 1981 is estimated to average $3.55 per bushel ($140 per tonne).

1981 Rye Crop Prices

— Dollars per Tonne at Thunder Bay —
— Winnipeg Commodity Exchange Cash Quotations —

Grade	Jan.	Feb.	Mar.	Apr.	May	June
1 Canada	219.48	222.29	233.05	213.12	192.48	172.72
2 Canada	217.48	220.29	231.05	211.16	190.48	170.72
3 Canada	178.48	181.29	192.05	170.02	150.98	132.72
Ergoty	174.48	177.29	188.05	166.02	143.58	123.72
	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Canada	200.91	183.15	202.16	185.39	169.63	162.42
2 Canada	198.91	181.15	200.16	183.39	167.63	160.42
3 Canada	160.91	143.15	162.16	145.39	129.63	122.42
Ergoty	151.91	134.15	153.16	136.39	120.63	113.42

MIXED GRAINS

An estimated 5,400,000 bushels (110 000 tonnes) was produced in 1981 compared to 4,300,000 bushels (87 800 tonnes) in 1980, an increase of 25.6 percent. Planted area in 1981 was unchanged from the 1980 figure of 120,000 acres (49 000 hectares). At $2.34 per bushel ($115 per tonne) on average, down from 1980, the 1981 crop is valued at $12,650,000 compared to $11,414,000 in 1980.

GRAIN CORN

Grain corn plantings reached an all-time high of 225,000 acres (91 100 hectares) in 1981. This represented a dramatic increase of 47.3 percent from plantings in 1980. The estimated total production of 17.0 million bushels (431 800 tonnes) exceeded the market requirement for Western Canada and shipments into the offshore market were initiated.

The average yield of grain corn was estimated at 75.6 bushels per acre (4 745 kilograms per hectare), an all-time record. A high proportion of the harvested crop was excellent in quality. Approximately 2,000,000 bushels (50 800 tonnes) of corn were sold to the Manitoba distilling industry and the balance into the Western Canadian feed market and export market. Growers received an average price of about $2.72 per bushel ($107.00 per tonne) basis 2 C.W. grade for their 1981 crop.

FIELD PEAS

Field pea plantings advanced to 100,000 acres (40 500 hectares), the highest on record. These plantings represented 67.6 percent of field pea production in Canada. The average yield for field peas was estimated at a favourable yield of 29.0 bushels per acre (1 950 kilograms per hectare), the second highest on record. The harvested crop was generally above average in quality. Growers received an average price of $6.81 per bushel (25¢ per kilogram) basis 3 C.W. grade for their 1981 crop.

BUCKWHEAT

Buckwheat plantings were estimated at 125,000 acres (50 600 hectares), a 27.6 percent increase from 1980. The average yield was estimated at 16.8 bushels per acre (910 kilograms per hectare), a substantial increase from the average yield of 8.2 bushels per acre (435 kilograms per hectare) obtained in 1980. Mancan buckwheat accounted for 90 percent of the total production in the province. Growers received an average price of $8.50 per bushel (38.9¢ per kilogram) for the large seeded variety Mancan and $6.00 per bushel (27.5¢ per kilogram) for common buckwheat.

SUNFLOWERS

Sunflower plantings were estimated at 270,000 acres (109 300 hectares), a reduction of 15.6 percent from 1980. Manitoba's area accounted for 94.0 percent of total Canadian sunflower plantings.

The average yield for sunflowers was estimated at 1,296 pounds per acre (1 455 kilograms per hectare), the highest on record. An estimated 95 percent of Manitoba's oilseed sunflower plantings were established with varieties of the hybrid type. Growers received an average price of about 10.1¢ per pound (22.3¢ per kilogram) for their oilseed sunflowers. Confection sunflowers accounted for about six percent of the sunflower plantings and provided an average price of 13.5¢ per pound (29.7¢ per kilogram) to the grower.

OTHER SPECIAL CROPS

Plantings of other special crops included 34,835 acres (14 100 hectares) of canary seed, 35,000 acres (14 200 hectares) of lentils, 19,327 acres (7 800 hectares) of field beans and 11,970 acres (4 800 hectares) of fababeans. The total value of these crops was estimated at $4,800,000 for canaryseed, $5,347,500 for lentils, $3,204,500 for field beans and $1,143,500 for fababeans. Estimated average prices to the grower were 20¢ per pound (44¢ per kilogram) for canaryseed, 23¢ per pound (50.6¢ per kilogram) for lentils, 21.5¢ per pound (47.3¢ per kilogram) for field beans and 9¢ per pound (19.8¢ per kilogram) for fababeans.

RAPESEED (CANOLA)

Rapeseed (canola) plantings dropped to 600,000 acres (243 000 hectares) in 1981 from 800,000 acres (324 000 hectares) in 1980. The average yield was estimated at 22.5 bushels per acre (1 260 kilograms per hectare) compared to 16.2 bushels per acre (910 kilograms per hectare) in 1980. Approximately 72.0 percent of the crop graded No. 1 Canada and 24.0 percent No. 2 Canada. Growers received an average price of approximately $6.23 per bushel ($275.00 per tonne). The value of the crop in 1981 was $84,150,000.

	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
Crop District	**1980**	**1981**	**1980**	**1981**	**1980**	**1981**
1,2,3	220.9	201.0	16.9	22.1	3,737.1	4,432.3
4,5,6	188.4	109.9	16.4	22.2	3,084.3	2,444.9
7	156.4	93.4	14.5	22.6	2,260.5	2,114.5
8	158.9	119.7	16.7	24.7	2,649.5	2,956.3
9,10	21.2	25.4	18.6	22.4	394.7	570.1
11,12	54.2	50.6	16.1	19.4	873.9	981.9
Province	800.0	600.0	16.2	22.5	13,000.0	13,500.0

	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (tonnes)	
Crop District	**1980**	**1981**	**1980**	**1981**	**1980**	**1981**
1,2,3	89.4	81.4	947	1 238	84 800	100 500
4,5,6	76.3	44.5	919	1 244	69 900	55 500
7	63.3	37.8	813	1 267	51 300	48 000
8	64.4	48.5	936	1 384	60 100	67 000
9,10	8.6	10.3	1 042	1 255	8 900	12 900
11,12	22.0	20.5	902	1 087	19 800	22 300
Province	324.0	243.0	910	1 260	294 800	306 200

1981 Canola (Rapeseed) Crop Prices

— Dollars per Tonne at Thunder Bay —
— Winnipeg Commodity Exchange Cash Quotations —

Grade	Jan.	Feb.	Mar.	Apr.	May	June
1 Canada	292.39	283.48	276.34	293.38	302.46	291.26
2 Canada	279.39	270.48	263.34	280.38	289.46	278.26
	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Canada	293.36	286.26	279.90	293.99	291.59	287.52
2 Canada	280.36	273.26	266.90	280.99	278.59	274.52

MUSTARD

Mustard plantings were estimated at 45,225 acres (18 300 hectares) in 1981, a small increase from 1980. Yellow mustard accounted for 83 percent of the plantings. Average yields were estimated at 800 pounds per acre (900 kilograms per hectare) for yellow and 1,050 pounds per acre (1 175 kilograms per hectare) for brown and oriental. The quality of some oriental mustard was affected by bleaching. The average price received by the grower was about 18¢ per pound (39.6¢ per kilogram) basis No. 1 grade for yellow mustard and 14.5¢ per pound (32¢ per kilogram) for brown and oriental.

HAY AND SILAGE

Tame hay production was valued at $136,080,000 based on the average price of $54.43 per ton ($60.00 per tonne). Estimates on the production of wild hay and other crops such as wheat, oats, barley and millet cut for hay are not available.

Crop District	Harvested Acres (000)		Yield per Acre (tons)		Production (000 tons)	
	1980	1981	1980	1981	1980	1981
1	96.3	93.8	0.95	1.87	91.1	175.3
2	123.7	115.0	1.12	1.91	139.0	219.1
3	77.8	84.2	1.23	2.15	95.6	181.0
4	63.2	60.7	1.12	1.79	70.6	108.5
5	51.5	48.8	1.23	1.87	63.5	91.1
6	152.2	161.8	1.15	1.71	175.0	277.0
7	145.8	141.4	1.15	2.27	167.7	321.5
8	84.7	77.0	1.04	2.01	88.1	155.0
9	127.8	132.6	1.45	2.27	185.6	301.5
10	71.4	70.9	1.26	1.80	90.0	127.6
11	95.5	91.6	1.13	2.11	108.1	193.4
12	210.1	222.2	1.07	2.02	225.7	449.0
Province	1,300.0	1,300.0	1.15	2.00	1,500.0	2,600.0

	Harvested Hectares (000)		Yield per Hectare (tonnes)		Production (tonnes)	
	1980	1981	1980	1981	1980	1981
1	39.0	37.9	2.12	4.20	82 800	159 000
2	50.0	46.5	2.52	4.28	126 000	199 000
3	31.5	34.1	2.76	4.81	86 800	164 000
4	25.6	24.6	2.50	3.98	64 000	98 000
5	20.8	19.7	2.77	4.21	57 600	83 000
6	61.6	65.5	2.58	3.83	159 000	251 000
7	59.0	57.2	2.58	5.10	152 000	292 000
8	34.3	31.1	2.33	4.53	80 000	141 000
9	51.7	53.7	3.25	5.10	168 000	274 000
10	28.9	28.7	2.82	4.04	81 600	116 000
11	38.6	37.1	2.54	4.72	98 000	175 000
12	85.0	89.9	2.41	4.53	205 000	407 000
Province	526.0	526.0	2.59	4.48	1 360 800	2 359 000

Silage corn area decreased from 75,000 acres (30 400 hectares) in 1980 to 50,000 acres (20 200 hectares) in 1981. Total production decreased from 420,000 tons (381 000 tonnes) to 390,000 tons (354 900 tonnes). Average yield was estimated at 7.8 tons per acre (17.5 tonnes per hectare) compared to 5.6 tons per acre (12.7 tonnes per hectare) in 1980.

SUGAR BEETS

Sugar beet plantings were 27,747 acres (11 229 hectares) in 1981, the same as in 1980. Average yield was 13.5 tons per acre (30 255 kilograms per hectare). Total production was estimated at 374,500 tons (339 741 tonnes) valued at $18,924,100. Total 1980 production was 258,808 tons (237 787 tonnes) for a value of $14,087,000.

HORTICULTURAL CROPS

Total Estimated Value for 1981 Production:

Potatoes	$36,140,000
Commercial Vegetables:	
Fresh	6,711,000
Fruits	1,650,000
Florist, Nursery Products and Sod	14,000,000
Miscellaneous	4,200,000
TOTAL	$62,701,000

POTATOES

The area planted to potatoes increased to 40,900 acres (16 600 hectares) in 1981. Of the total, 79 percent was contracted for processing, seven percent was registered for seed and 14 percent was grown for table stock.

Initial spring conditions were warmer than normal permitting early planting. However, this was followed by below-average temperatures and resulted in delayed initial growth. As the season progressed, the incidence of blackleg in the crop was above average and the development was likely enhanced by the cool conditions.

Moisture conditions were reasonably favourable for the majority of the season. By mid-September, the supply of soil moisture for the late maturing Russet Burbank variety was running low. General rains on and subsequent to September 25th delayed harvest and permitted yield to increase sharply. Harvest conditions remained difficult until harvest for storage was stopped by frost on October 20th. Limited harvesting for immediate processing continued after the frost. It was estimated that 1,500 acres (600 hectares) was unharvested on October 20th.

Gross production was estimated at 6,871,000 cwt (311 660 tonnes). Export of raw product to North Dakota and Alberta was in excess of 1980 volumes. The 1981 production level in Alberta was less than amounts needed to fill market opportunity and Simplot expanded its production level. The french fry colour for the 1981 crop was much more uniform than in 1980. For some growers, particularly in the Carman area, the percentage of hollow heart was high enough to cause difficulty in meeting grade requirements for shipment to the Simplot plant in North Dakota.

VEGETABLES

Manitoba growers experienced varied weather conditions in 1981. Spring was early with no precipitation. Fortunately, soil moisture and irrigation water levels were adequate because of excessive rainfall in the fall of 1980. Spring frosts resulted in heavy losses to transplanted Spanish onion, cauliflower and cabbage crops. The summer months were generally hot and dry, promoting insect and disease problems. Crops in the Winnipeg area were heavily damaged by hail in August. September was ideal for harvest of late summer and root crops. However, heavy rainfall, with freezing temperatures, and snow stalled harvest operations throughout October, thereby reducing the quality of rutabaga and carrot crops.

Overall, production increased slightly in 1981 to an estimated 3,120 acres (1 260 hectares). Specifically, the area planted to broccoli, cauliflower and cabbage increased significantly. Rutabaga plantings declined noticeably because of disease and herbicide drift problems.

Generally, marketable yields were average to below average. Vegetable quality ranged from poor to excellent with fair to good being the norm. Market demand was generally good while grower returns were fair to good.

1981 FRESH VEGETABLE PRODUCTION AND FARM VALUE, MANITOBA

	Planted Area (acres)	Average Yield (lbs./acre)	Total Production (000 lbs.)	Average Price (¢/lb.)	Total Value ($000)
Asparagus	112	1,800	202	90.0	182
Beets	45	15,000	675	11.0	74
Broccoli	80	8,500	680	38.0	258
Cabbage	455	16,000	7,280	8.0	582
Carrots	290	30,000	8,700	15.0	1,305
Cauliflower	255	8,500	2,168	30.0	650
Celery	67	30,000	2,010	20.0	402
Corn	640	6,000	3,840	10.0	384
Cucumbers	120	8,500	1,020	25.0	255
Lettuce	40	4,000	160	16.0	26
Onions	475	20,000	9,500	14.0	1,330
Parsnips	70	14,000	980	24.0	235
Peas	40	3,000	120	55.0	66
Peppers	24	12,000	288	22.5	65
Radish	100	2,000	200	35.0	70
Squash	28	14,000	406	18.5	75
Tomatoes	40	6,500	260	32.5	84
Rutabaga	190	26,000	4,940	11.0	543
Other Crops	50	—	—	—	125
TOTAL	3,121				6,711

	Planted Area (hectares)	Average Yield (kg/ha)	Total Production (tonnes)	Average Price (¢/kg)	Total Value ($000)
Asparagus	45	2 000	92	198	182
Beets	18	17 000	306	24	74
Broccoli	32	9 600	308	84	258
Cabbage	184	17 900	3 302	18	582
Carrots	117	33 700	3 946	33	1,305
Cauliflower	103	9 500	983	66	650
Celery	27	33 800	912	44	402
Corn	259	6 700	1 742	22	384
Cucumbers	49	9 400	463	55	255
Lettuce	16	4 600	73	36	26
Onions	192	22 400	4 309	31	1,330
Parsnips	28	15 900	445	53	235
Peas	16	3 400	54	122	66
Peppers	10	13 100	131	50	65
Radish	40	2 300	91	77	70
Squash	11	16 700	184	41	75
Tomatoes	16	7 400	118	71	84
Rutabaga	77	29 100	2 241	24	543
Other Crops	20	—	—	—	125
TOTAL	1 260				6,711

ORNAMENTALS

Nursery Stock There were approximately 1,000 acres (400 hectares) of land under the production of nursery stock. On the whole, evergreens and deciduous stock overwintered quite well. Lack of snow cover caused some losses in field herbaceous perennials. Volume of sales of nursery stock was slightly greater than in 1980 and retail prices were up five to seven percent from the previous year. Very few large landscape projects were tendered. In spite of the decline in new housing starts, residential landscape jobs were fairly steady. An early fall freeze-up caused some harvesting problems with wholesale growers. In general, most growers still managed to lift their plants for fall storage.

Nursery Sod The decline in new home construction in 1981 resulted in a decline in the area of nursery sod harvested and sold. Between 2,000 and 2,500 acres (810 and 1 010 hectares) of sod was sold in 1981. There was little or no price increase for nursery sod. The retail price was 60¢ - 70¢/m². Escalating energy, fertilizer and labour inputs are seriously affecting production.

Greenhouse Production The industry has remained relatively static compared to the expanding Canadian picture. The chains appear to be commanding a larger retail share of the plant market. Spring bedding plant sales remained good. Locally-produced Christmas crops were in high demand despite the influx of inexpensive out-of-province plant material. Escalating heat and labour costs are two major concerns of the industry.

FRUIT

Early low fall temperatures, combined with poor snow mulch conditions, resulted in a 30 to 35 percent reduction of yield in some parts of the province due to winter injury. An approximate 15 percent expansion of new plantings brought the total picking area for 1981 to 350 acres (140 hectares). Ideal summer and fall conditions for growth resulted in excellent strawberry plant growth, a positive indicator of 1982 yield potential.

Raspberry U-Pick plantings were further expanded with approximately 7 to 12 acres (3 to 5 hectares) of new crop available for picking. Raspberry yields were average.

There was a bumper crop of apple and applecrabs in most parts of the province. Limited commercial production located along the Pembina Escarpment also produced heavy crops.

Observational saskatoon plantings throughout the province were not affected by spring frost and demonstrated good fruit set.

SEED PRODUCTION

Forage Seeds Total production of all forage seeds, including foreign and private varieties, increased from 9,348,000 pounds (4 245 000 kilograms) in 1980 to 20,084,000 pounds (9 110 000 kilograms) in 1981. The total farm value increased from $4,895,000 to $6,681,000 in 1981.

In general, there was a small increase in area seeded down to forage seed crops. Most of the increase in production can be attributed to the much more favourable growing conditions that were experienced in 1981. In total, the 1981 forage seed crop increased 114 percent over the 1980 crop. The biggest increases were experienced in alfalfa, sweet clover, timothy and Kentucky bluegrass. It is significant to note that alfalfa and timothy production hit all-time highs during 1981.

The prices paid to producers in 1981 declined significantly in relation to 1980 prices. All crops experienced very significant price declines. The price declines were attributable to the large harvest and a slowdown in the consumer demand on the part of the livestock producers.

The following table indicates the average farmgate price for a combination of Certified and Common seed:

	Production		Price per		Farm
	pounds	kilograms	pound	kilogram	Value
	(000)	(000)	$	$	($000)
Alfalfa	3,307	1 500	0.65	1.43	2,145
Alsike Clover	165	75	0.12	0.26	20
Birdsfoot Trefoil	496	225	1.25	2.76	621
Bromegrass	220	100	0.35	0.77	77
Kentucky Bluegrass	243	110	0.35	0.77	85
Meadow Fescue	441	200	0.425	0.94	188
Single Cut Red Clover	331	150	0.18	0.40	60
Sweet Clover	3,858	1 750	0.19	0.42	735
Timothy	11,023	5 000	0.25	0.55	2,750
	20,084	9 110			6,681

Pedigreed Seed Because of its importance in Manitoba agriculture, the area seeded to this type of crop production is given in detail. These figures are included in the estimates of total production of cereals, grasses and other crops. A portion of this seed is used in the province and part is exported. These are not included in the records of commercial marketings through elevators but are considered in the total value of crop production. In addition to the area detailed below, 18,530 acres (7 499 hectares) of unlicensed forage seed varieties were grown for export in 1981 compared to 15,470 acres (6 261 hectares) in 1980 and 17,836 acres (7 218 hectares) in 1979.

Foundation, Registered and Certified Seed

Kind of Crop	Acres 1979	1980	1981
Wheat — Hard Red Spring	44,975	62,770	76,280
— Durum	8,030	8,615	11,465
— Utility	19,460	7,840	18,745
Oats	2,730	5,180	8,140
Barley — 2 row	3,360	2,180	2,540
— 6 row	27,775	43,286	53,435
Rye — Fall	890	850	2,405
— Spring	18	152	240
Triticale	845	524	105
Flaxseed	40,025	29,650	32,005
Peas — Field	12,515	13,796	17,710
Beans — Faba	1,870	1,673	830
— Soybeans	675	1,154	1,570
Buckwheat	4,625	3,284	6,080
Canola (rapeseed) — Argentine type, Low Erucic	8,005	8,151	5,575
— Polish type, Low Erucic	755	362	130
Sunflower	355	—	380
Alfalfa	1,780	2,189	4,310
Bromegrass	630	552	385
Kentucky Bluegrass	350	260	650
Meadow Fescue	395	672	680
Orchard Grass	125	—	50
Sweet Clover — Yellow Blossom	20	—	—
Timothy	21,995	18,847	25,275
Slender Wheatgrass	—	22	—
Red Clover — Single Cut	1,280	343	410
Birdsfoot Trefoil	2,370	2,373	2,550
Mustard (Yellow & Brown)	830	777	975
Radish	345	—	35
Reed Canary Grass	115	60	40
Lentils	—	928	1,830

Foundation, Registered and Certified Seed

Kind of Crop	1979	Hectares 1980	1981
Wheat — Hard Red Spring	18 200	25 402	30 870
— Durum	3 250	3 486	4 640
— Utility	7 875	3 173	7 586
Oats	1 105	2 096	3 294
Barley — 2 row	1 360	1 137	1 028
— 6 row	11 240	17 517	21 625
Rye — Fall	360	344	973
— Spring	7	62	97
Triticale	342	212	42
Flaxseed	16 197	11 999	12 952
Peas — Field	5 064	5 583	7 167
Beans — Faba	757	677	336
— Soybeans	273	467	635
Buckwheat	1 872	1 329	2 461
Canola (rapeseed) — Argentine type, Low Erucic	3 239	3 298	2 256
— Polish type, Low Erucic	306	146	53
Sunflower	144	—	154
Alfalfa	720	886	1 744
Bromegrass	255	223	156
Kentucky Bluegrass	142	105	263
Meadow Fescue	160	272	275
Orchard Grass	50	—	20
Sweet Clover — Yellow Blossom	8	—	—
Timothy	8 901	7 627	10 229
Slender Wheatgrass	—	9	—
Red Clover — Single Cut	518	139	166
Birdsfoot Trefoil	959	960	1 032
Mustard (Yellow & Brown)	336	314	395
Radish	140	—	14
Reed Canary Grass	46	24	16
Lentils	—	376	741

Certified Potatoes

Variety	Number Growers	Acres Inspected	Acres Passed Inspection 1981	Production Graded Stock (cwt)	1980
Russet Burbank	9	2,014	2,014	374,475	385,169
Norland	4	324	324	60,285	41,366
Norchip	3	240	240	46,724	86,723
Red Pontiac	2	84	84	21,388	22,601
Kennebec	2	54	54	13,980	13,737
Warba	1	17	17	2,866	4,586
Rideau	1	2	2	220	—

Certified Potatoes

Variety	Number Growers	Hectares Inspected	Hectares Passed Inspection	Production Graded Stock (tonnes)	
		1981			1980
Russet Burbank	9	815	815	16 983	17 468
Norland	4	131	131	2 734	1 876
Norchip	3	97	97	2 119	3 933
Red Pontiac	2	34	34	970	1 025
Kennebec	2	22	22	634	623
Warba	1	7	7	130	208
Rideau	1	1	1	10	—

Grain Storage Capacity in Manitoba — August 1, 1981

All Licensed Elevators

Kind of Elevator	Number	Capacity (bu.)
Terminal	1	5,000,000
Process Elevators	13	6,708,000
Primary	373	40,546,000
Total — Licensed Elevators	387	52,254,000

Grain Stored in Country Elevators — July 31

Year	— Million Bushels — Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)
1968	35.4	3.8	3.2	0.3	0.2
1969	33.2	5.9	2.4	0.2	0.5
1970	33.5	2.6	3.4	0.6	—
1971	22.6	3.4	3.5	1.4	0.2
1972	18.9	2.9	3.7	0.6	1.6
1973	10.5	2.2	10.0	0.4	1.0
1974	11.7	[illegible].3	12.5	0.8	0.6
1975	6.3	5.4	7.3	1.1	1.1
1976	7.5	3.5	2.0	2.9	2.1
1977	9.2	2.8	1.0	1.3	0.7
1978	17.4	4.6	6.3	4.1	1.6
1979	18.3	3.8	4.5	3.3	3.1
1980	12.0	0.5	2.1	5.1	4.3
1981	9.8	10.0	10.0	2.1	2.7

Total Grain Supply on Farms by Crop Year

	— Million Bushels — Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)
Stocks on Farms, July 31, 1981	2.0	2.0	3.0	0.7	2.8
Production, 1981	123.0	33.0	107.0	10.6	15.0
Total Farm Supply					
1981-82	125.0	35.0	110.0	11.3	17.8
1980-81	82.0	21.0	75.0	11.5	18.0
1979-80	116.0	28.0	83.0	20.1	27.9
1978-79	122.0	53.0	105.0	14.0	25.8
1977-78	122.0	68.0	98.0	13.1	11.6
1976-77	106.0	67.0	70.0	6.7	6.7
1975-76	80.0	54.0	54.0	9.0	11.3
1974-75	64.0	50.0	62.0	6.9	8.7
1973-74	85.0	71.0	91.0	7.7	7.7
1972-73	95.0	69.0	95.0	6.9	10.8
1971-72	93.0	85.0	99.0	6.7	12.0
1970-71	70.5	83.0	60.0	12.7	7.2
1969-70	104.0	94.0	62.0	11.4	3.6

Grain Storage Capacity in Manitoba — August 1, 1981

All Licensed Elevators

Kind of Elevator	Number	Capacity (tonnes)
Terminal	1	140 020
Process Elevators	13	187 860
Primary	373	1 135 460
Total — Licensed Elevators	387	1 463 340

Grain Stored in Country Elevators — July 31

—tonnes—

Year	Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)
1968	963 400	58 600	69 700	7 600	4 500
1969	903 600	91 000	52 300	5 100	11 300
1970	911 700	40 100	74 000	15 200	—
1971	615 100	52 400	76 200	35 600	4 500
1972	514 400	44 700	80 600	15 200	36 300
1973	285 800	33 900	217 700	10 200	22 700
1974	318 400	35 500	272 200	20 300	13 600
1975	171 100	83 300	159 500	27 900	24 900
1976	204 100	54 000	43 500	73 700	47 600
1977	250 400	42 700	20 800	33 100	15 500
1978	472 400	70 900	138 100	104 900	35 900
1979	497 400	58 600	96 900	84 900	70 600
1980	327 900	7 800	45 800	130 600	97 500
1981	266 200	14 900	218 300	54 500	61 500

Total Grain Supply on Farms by Crop Year

—tonnes—

	Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)
Stocks on Farms, July 31, 1981	54 400	30 800	65 300	17 800	63 500
Production, 1981	3 347 000	509 000	2 330 000	269 000	340 000
Total Farm Supply					
1981-82	3 401 400	539 800	2 395 300	286 800	403 500
1980-81	2 231 700	323 900	1 632 900	292 100	408 200
1979-80	3 157 000	431 800	1 807 100	510 500	632 800
1978-79	3 320 400	817 300	2 285 700	355 500	585 300
1977-78	3 320 200	1 048 700	2 133 700	332 800	263 000
1976-77	2 884 800	1 033 300	1 524 100	170 200	152 000
1975-76	2 177 200	832 800	1 175 700	228 700	256 300
1974-75	1 741 800	771 100	1 328 100	175 300	197 300
1973-74	2 313 400	1 095 000	1 981 300	195 600	175 800
1972-73	2 585 500	1 064 100	2 068 400	175 300	244 900
1971-72	2 531 100	1 310 900	2 155 500	170 200	272 200
1970-71	1 918 700	1 280 000	1 306 400	322 600	163 300
1969-70	2 830 500	1 449 700	1 349 900	289 600	81 600

LIVESTOCK

1981 Summary of Production

	Number (000)	Value Each	Total Value (000)
Cattle:			
Commercial Marketings (including exports)	367		
Inventory Change (down)	-30		
Local Slaughterings	20		
Minus Inshipments	46		
	311	$615	$191.265
Hogs:			
Commercial Marketings (including exports)	1.220		
Inventory Change (down)	-9		
Local Slaughterings	23		
	1.234	$112	$138.208
Sheep:			
Commercial Marketings (including exports)	17.5	$ 40	$ 700
Wool — pounds	99.3	62.0¢/lb	62
— kilograms	(45.0)	(136.7¢/kg)	
			$ 762
Dairy Products:			
Milk Equivalent — litres	288 551	$30.01/hl	$ 86.587
Supplementary Payments			10.351
Poultry:			$ 47.940
Eggs			48.723
Meat			$523.836
Total Livestock Production			

CATTLE

Production Value

During the past year, production value for Manitoba cattle decreased by $57,615,000 from $248,880,000 in 1980 to $191,265,000 in 1981. The estimated average value per animal increased from $610 to $615 while production decreased from 408,000 to 311,000 head.

Marketings

Total commercial marketings decreased by 77,150 head during 1981 for an annual total of 367,067 head. Marketings of slaughter cattle and calves decreased by 9,553 and 446 head, respectively. Recorded sales of Manitoba feeder cattle dropped by 55,695 head, while the number of feeder cattle and calves exported directly out of Manitoba declined from 44,841 during 1980 to 23,385 in 1981.

Commercial Marketings from Manitoba

Crop District	Slaughter Cattle	Slaughter Calves	Total (excluding exports)
1	13,054	730	13,784
2	68,051	1,386	69,437
3	15,150	303	15,453
4	9,643	438	10,081
5	6,218	324	6,542
6	12,041	734	12,775
7	26,691	1,112	27,803
8	38,725	501	39,226
9	35,351	2,024	37,375
10	3,606	360	3,966
11	12,031	433	12,464
12	10,734	953	11,687
Province	251,295	9,298	260,593

Cattle Sale by Month

Month	— Animals from Manitoba — Slaughter Cattle	Slaughter Calves	Feeders	Total (excluding exports)
January	19,993	812	3,925	24,730
February	16,843	651	3,377	20,871
March	20,912	1,023	6,609	28,544
April	18,840	463	5,708	25,011
May	19,738	693	8,518	28,949
June	27,249	583	5,669	33,501
July	20,205	468	3,006	23,679
August	19,461	721	2,574	22,756
September	24,144	776	3,921	28,841
October	21,390	887	8,907	31,184
November	20,333	1,251	9,779	31,363
December	22,187	970	11,096	34,253
Province	251,295	9,298	73,089	333,682

Disposal of Sales

Of the total number of slaughter animals marketed in Manitoba during 1981, 23.7 percent were shipped to public stockyards and 76.3 percent moved directly to packing plants. Feeders sold through the public stockyards totalled 73,089 with an additional 33,385 feeders sold on direct export. Direct exports of feeders were made up of 23,527 head of cattle and 9,858 calves.

Inventory

The January 1, 1982 survey showed the total head of cattle and calves on Manitoba farms to be 30,000 less than a year earlier. Compared to January 1, 1981, beef cows decreased 9,000 head, calves 2,000 head and steers 11,000 head while the number of slaughter heifers decreased by 2,000. The number of beef heifers intended for replacement decreased 4,000 head. There were an estimated 1,162,000 head of cattle and calves on Manitoba farms as at July 1, 1981.

Cattle Numbers on Manitoba Farms, July 1, 1981

Crop District	Bulls	Cows (Milk)	Cows (Beef)	Heifers Over 1 yr. (Milk)	Heifers Over 1 yr. (Beef)	Steers Over 1 Year	Calves Under 1 Year
1	2,400	3,200	42,200	1,000	12,400	10,600	37,900
2	3,100	6,800	49,200	2,300	17,600	20,900	47,000
3	2,000	6,000	36,900	1,800	11,700	10,500	35,100
4	1,400	2,900	22,900	600	6,900	6,300	21,000
5	700	1,500	12,300	500	3,700	3,700	11,400
6	2,800	5,400	52,400	1,400	13,600	11,100	47,900
7	2,100	11,100	41,400	4,100	12,900	12,800	41,100
8	2,100	9,000	29,000	3,400	13,500	19,300	31,700
9	1,600	19,700	14,300	8,900	7,200	9,500	22,200
10	700	3,200	10,100	1,300	2,600	1,800	9,800
11	1,100	7,600	16,600	3,600	7,400	8,100	17,800
12	3,000	6,600	61,700	3,100	17,500	13,400	57,100
Province	23,000	83,000	389,000	32,000	127,000	128,000	380,000

During the past year, the quality of Manitoba slaughter cattle increased slightly. Of the total number of steers and heifers marketed, 84.5 percent graded A1 and A2 compared to 82.1 percent a year earlier.

Slaughter Cattle from Manitoba

	1980		1981	
	Number	%	Number	%
Steers				
A1, A2 + 1000 pounds (+ 450 kg)	98,271	75	107,557	80
A1, A2 - 1000 pounds (-450 kg)	13,542	10	10,002	7
A3, A4	6,351	5	6,165	5
B and C	12,550	10	10,449	8
	130,714	100	134,173	100
Heifers				
A1, A2 + 850 pounds (+ 400 kg)	41,201	59	41,129	63
A1, A2 - 850 pounds (- 400 kg)	11,437	17	9,835	15
A3, A4	4,105	6	4,416	7
B and C	12,743	18	9,792	15
	69,486	100	65,172	100
Cows				
D1, D2	25,128	46	22,556	49
D3, D5	27,236	50	21,899	47
D4	2,203	4	1,670	4
	54,567	100	46,125	100
Bulls	6,081		5,825	
Calves				
White Veal	203	2	304	3
Good Veal	1,549	16	1,101	12
Good Butcher	2,495	26	3,391	37
Common All Weights	5,497	56	4,502	48
	9,744	100	9,298	100
Total Slaughter Animals	270,592		260,593	

Sales of replacement cattle decreased by 55,695 head during 1981. The figures shown below exclude sales direct on export or to country points in other provinces. Most replacement cattle that leave the province go through public stockyards, while interfarm and interprovincial transfer of feeders occur at local livestock auction markets.

Replacement Cattle from Manitoba

	1980	1981
	— Number —	
Feeders		
Steers over 600 pounds (250 kg)	41,284	26,003
Calves under 600 pounds (250 kg)	34,883	19,059
Heifers over 500 pounds (200 kg)	29,426	16,160
Calves under 500 pounds (200 kg)	17,349	8,327
Cows	5,842	3,540
Total	128,784	73,089

Cattle Prices, St. Boniface Stockyards, 1981

	Dollars per 100 Pounds Live	Cents per Kilogram Live
Slaughter Cattle and Calves		
Steers		
A1, A2 + 1000 pounds (+ 450 kg)	76.37	168.4
A1, A2 - 1000 pounds (- 450 kg)	75.48	166.4
A3, A4	70.26	154.9
B and C	63.43	139.8
Heifers		
A1, A2 + 850 pounds (+ 400 kg)	71.76	158.2
A1, A2 - 850 pounds (- 400 kg)	68.91	151.9
A3, A4	62.00	136.7
B and C	56.83	125.3
Cows		
D1, D2	48.10	106.0
D3, D5	44.91	99.0
D4	41.39	91.2
Bulls	57.56	126.9
Slaughter Cattle Average	59.31	130.8
Calves		
Good Veal	108.37	238.9
Good Butcher	73.45	161.9
Common All Weights	61.84	136.3
Slaughter Calves Average	73.26	161.5
Feeders		
Good Steers		
+ 800 pounds (+ 350 kg)	72.55	159.9
700-800 pounds (300-350 kg)	73.98	163.1
600-700 pounds (250-300 kg)	74.50	164.2
Common and Medium + 600 pounds (+ 250 kg)	60.23	132.8
Good Steer Calves		
500-600 pounds (200-250 kg)	74.77	164.8
400-500 pounds (150-200 kg)	73.88	162.9
Under 400 pounds (under 150 kg)	73.80	162.7
Common and Medium - 600 pounds (- 250 kg)	59.84	131.9
Good Heifers		
+ 700 pounds (+300 kg)	66.01	145.5
600-700 pounds (250-300 kg)	67.55	148.9
500-600 pounds (200-250 kg)	67.27	148.3
Common and Medium +500 pounds (+ 200 kg)	58.14	128.2
Good Heifer Calves		
400-500 pounds (150-200 kg)	65.54	144.5
300-400 pounds (100-150 kg)	65.16	143.7
Under 300 pounds (under 100 kg)	65.39	144.2
Common and Medium - 500 pounds (- 200 kg)	56.11	123.7
Feeder Cows	45.25	99.8
All Feeders Average	67.12	148.0

Prices

The yearly average price for top grade steers increased by $0.31 per hundredweight (0.7 cents per kilogram) in 1981. Prices for D1, 2 cows moved in an opposite direction, declining an average of $3.95 per hundredweight (8.7 cents per kilogram). Over the entire year, good veal calves lost an average of $2.19 per hundredweight (4.8 cents per kilogram), while good feeder steers over 800 lbs. (350 kilograms) decreased in price by $3.49 per hundredweight (7.7 cents per kilogram).

St. Boniface Stockyards Prices

Selected Grades

	A1, 2 Steers			D1, 2 Cows			Feeder Steers Over 800 Pounds			Good Veal Calves		
Month	10 yr.	5 yr.	1981	10 yr.	5 yr.	1981	10 yr.	5 yr.	1981	10 yr.	5 yr.	1981
	(dollars per 100 pounds)											
January	46 97	53 64	79 80	30 64	35 85	50 78	44 70	51 77	77 02	63 98	68 25	98 82
February	47 23	54 77	75 70	32 66	39 09	51 27	46 82	55 54	73 74	66 58	73 54	113 93
March	46 87	55 18	74 12	34 64	40 76	50 43	47 77	57 01	74 34	67 84	77 98	110 98
April	47 89	57 01	75 54	36 39	42 91	51 30	48 11	58 28	75 02	68 54	79 04	108 63
May	50 67	59 36	77 82	36 28	42 87	50 69	50 12	59 71	76 67	68 57	79 52	112 60
June	51 43	59 74	78 51	35 79	41 99	50 77	49 82	59 18	75 57	71 96	83 70	117 76
July	50 94	58 44	78 11	34 07	40 64	52 03	49 07	58 42	74 83	68 25	78 93	113 94
August	50 88	57 85	77 22	33 64	39 95	52 46	51 07	61 36	72 60	64 27	76 92	111 53
September	50 92	59 94	76 08	33 46	40 08	50 47	48 92	59 38	71 06	63 77	75 87	100 04
October	50 68	60 18	75 66	32 43	39 47	43 49	48 41	57 96	70 15	60 80	72 83	90 33
November	51 44	60 69	72 85	31 17	38 10	41 92	48 82	58 35	67 32	60 97	71 98	91 59
December	51 33	60 92	72 14	32 37	39 53	41 37	49 25	59 20	69 06	65 44	76 06	98 13
Year	49 57	57 86	76 37	32 98	39 37	48 10	48 41	57 77	72 55	66 77	77 28	108 37

St. Boniface Stockyards Prices

Selected Grades

	A1, 2 Steers			D1, 2 Cows			Feeder Steers Over 350 Kilograms			Good Veal Calves		
Month	10 yr	5 yr.	1981	10 yr.	5 yr.	1981	10 yr.	5 yr.	1981	10 yr.	5 yr.	1981
	(cents per kilogram)											
January	103 5	118 2	175 9	67 5	79 0	111 9	98 5	114 1	160 9	141 0	150 4	217 8
February	104 1	120 7	166 9	72 0	86 2	113 0	103 2	122 4	162 5	146 8	162 1	251 1
March	103 3	121 6	163 4	76 4	89 8	111 2	105 3	125 7	163 9	149 5	171 9	244 6
April	105 6	125 7	166 5	80 2	94 6	113 1	106 0	128 5	165 4	151 1	174 2	239 5
May	111 7	130 8	171 5	80 0	94 5	111 7	110 5	131 6	169 0	151 1	175 3	248 2
June	113 4	131 7	173 1	78 9	92 6	111 9	109 8	130 4	166 6	158 6	184 5	259 6
July	112 3	128 8	172 2	75 1	89 6	114 7	108 2	128 8	164 9	150 4	174 0	251 2
August	112 2	127 5	170 2	74 2	88 1	115 6	112 6	135 3	160 0	141 7	169 6	245 8
September	112 2	132 1	167 7	73 8	88 3	111 2	107 8	130 9	156 6	140 6	167 2	220 5
October	111 7	132 7	166 8	71 5	87 0	95 9	106 7	127 8	154 6	134 0	160 5	199 1
November	113 4	133 8	160 6	68 7	84 0	92 4	107 6	128 6	148 4	134 4	158 7	201 9
December	113 1	134 3	159 0	71 4	87 1	91 2	108 6	130 5	152 2	144 2	167 7	216 3
Year	109 3	127 5	168 4	72 7	86 8	106 0	106 7	127 3	159 9	147 2	170 3	238 9

HOGS

Production

In 1981, Manitoba produced 1,234,000 hogs, a decrease of 2 percent from 1980. Higher prices ($18 per head above 1980) resulted in an increase in total value of production of over 19 million dollars compared to the 13 million dollar decline between 1979 and 1980. Hog production within Manitoba provided a total value of $138,208,000.

Marketings

Manitoba producers marketed 4,970 fewer hogs in 1981 than in 1980. Hog sales during the first quarter increased by 5 percent but decreased in the subsequent three quarters. Second quarter marketings dropped 3 percent while the third and fourth quarters experienced declines of 3 and 2 percent, respectively. In addition to commercial marketings shown in the table below, direct exports totalled 52,811 hogs in 1981 compared to 78,626 in 1980 and 29,962 in 1979.

Commercial Marketings from Manitoba

Crop District	Total Hogs 1980	1981
1	58,002	49,919
2	105,999	94,253
3	61,571	57,508
4	8,049	5,314
5	35,014	25,681
6	29,010	22,996
7	195,162	195,078
8	290,071	294,423
9	218,447	244,744
10	17,372	20,931
11	108,313	112,709
12	44,768	43,252
Province	1,171,778	1,166,808

Hog Sales by Month

Month	Animals from Manitoba 1979	1980	1981
January	79,646	85,056	89,921
February	75,227	93,588	95,134
March	98,990	110,921	119,361
April	81,827	93,178	92,490
May	81,646	91,020	90,764
June	100,351	122,496	114,910
July	77,104	87,675	84,881
August	78,236	86,255	84,108
September	101,996	111,155	109,165
October	85,894	87,231	85,655
November	92,055	91,920	91,673
December	101,040	111,283	108,746
Year	1,054,012	1,171,778	1,166,808

Inventory

The total number of hogs on Manitoba farms as at July 1, 1981, (revised September, 1982) was up 42,000 head compared to a year earlier (unrevised). Market hogs accounted for an increase of 24,600 head, while breeding stock increased 17,400 head. The January 1, 1982 estimate shows total hog numbers down 9,300 head from January 1, 1981. Hog numbers declined by 29,300 head between January and July, 1981, then increased by 20,000 in the last half of the year. Intercensal revisions for the years 1976 to 1981 will be released by Statistics Canada in February, 1983.

HOG NUMBERS ON FARMS, JULY 1, 1981

Crop District	Under 45 lbs. (22 kg)	45 to 130 lbs. (22-60 kg)	Over 130 lbs. (60 kg)	Breeding Stock	TOTAL
1	13,500	12,000	8,500	4,700	38,700
2	23,300	20,600	15,900	8,300	68,100
3	17,300	13,500	10,500	6,000	47,300
4	2,900	1,100	700	800	5,500
5	6,200	5,000	4,400	2,000	17,600
6	9,700	6,400	4,200	3,500	23,800
7	43,900	39,600	34,300	15,800	133,600
8	72,500	69,300	51,300	24,200	217,300
9	62,900	54,600	47,600	20,900	186,000
10	4,900	5,000	4,300	1,700	15,900
11	25,700	22,300	19,700	8,800	76,500
12	11,400	10,600	8,600	4,100	34,700
Province	294,200	260,000	210,000	100,800	865,000

Quality

The general quality of Manitoba hogs improved noticeably in 1981. The percentage of hogs indexing 102 or better increased to 66.9 percent this year, 6.3 percent greater than 1980.

Prices

With the exception of the November to December period, Manitoba hog prices improved throughout 1981. The average Index 100 price for the entire year exceeded the 1980 average price by $10.73 per hundredweight (23.7 cents per kilogram). The 1981 average price for Index 100 hogs was $6.51 per hundredweight (14.4 cents per kilogram) greater than the previous five-year average (1976 to 1980).

ST. BONIFACE STOCKYARDS HOG PRICES, 1979 - 1981

Month	Index 100			Sows		
	1979	1980	1981	1979	1980	1981
	dollars per hundred pounds					
January	70.24	51.34	63.33	52.66	38.33	46.24
February	77.08	53.13	63.66	53.97	38.37	46.26
March	74.40	49.72	60.08	54.82	36.37	43.92
April	65.60	42.99	59.40	50.79	28.27	42.28
May	63.13	45.09	60.76	45.97	29.62	43.10
June	64.93	47.81	69.32	41.94	29.22	47.83
July	61.47	54.32	77.45	38.82	38.79	56.03
August	59.32	62.47	75.42	36.70	45.07	53.03
September	62.75	69.26	77.46	38.72	50.52	57.21
October	59.00	70.02	72.98	36.50	51.27	57.24
November	55.30	68.09	66.88	32.93	50.95	50.87
December	57.28	67.35	64.57	33.05	49.32	44.02
Year	64.15	56.67	67.40	41.77	39.98	48.54

ST. BONIFACE STOCKYARDS HOG PRICES, 1979 - 1981

Month	Index 100			Sows		
	1979	1980	1981	1979	1980	1981
	— — — — — — — — cents per kilogram — — — — — — — —					
January	154.9	113.2	139.6	116.1	84.5	102.0
February	169.9	117.1	140.4	119.0	84.6	102.0
March	164.0	109.6	132.5	120.9	80.2	96.8
April	144.6	94.8	131.0	112.0	62.3	93.2
May	139.2	99.4	134.0	101.4	65.3	95.0
June	143.2	105.4	152.8	92.5	64.4	105.5
July	135.5	119.8	170.8	85.6	85.5	123.5
August	130.8	137.7	166.3	80.9	99.4	116.9
September	138.4	152.7	170.8	85.4	111.4	126.1
October	130.1	154.4	160.9	80.5	113.0	126.2
November	121.9	150.1	147.5	72.6	112.3	112.2
December	126.3	148.5	142.4	72.9	108.7	97.1
Year	141.4	124.9	148.6	92.1	88.1	107.0

SHEEP

Production Value of production was estimated at $762,000 including marketings of sheep, lambs and wool. Change in inventory was not included.

SHEEP AND LAMB MARKETINGS FROM MANITOBA

Crop District	Sheep & Lambs	
	1980	1981
1	364	461
2	7,086	7,493
3	132	396
4	166	270
5	141	389
6	1,270	1,090
7	1,795	2,016
8	669	784
9	1,692	1,460
10	252	189
11	1,010	897
12	1,030	1,345
Province	15,607	16,790

Month	Sheep & Lambs	
	1980	1981
January	1,024	576
February	507	880
March	1,850	549
April	1,175	2,197
May	783	846
June	1,601	882
July	1,487	1,030
August	1,550	1,679
September	1,569	2,321
October	1,169	1,407
November	1,423	1,786
December	1,469	2,637
Year	15,607	16,790

Marketings

Total marketings of Manitoba sheep and lambs increased by 641 head (4 percent) during 1981. The number of sheep and lambs marketed within the province increased by 1,183 head but direct exports of Manitoba sheep and lambs decreased by 542 head (44 percent). Direct exports (excluded from the table above) totalled 682 head during 1981.

Prices

Prices in 1981 were considerably below 1980 levels. The annual average price for A and B lambs 80 pounds (36 kilograms) and over was $54.48 per 100 pounds (120.1 cents per kilogram) compared to a five-year average of $57.66 per 100 pounds (127.1 cents per kilogram).

Wool Production

Total value reached $62,000 with the average price estimated at 62 cents per pound (136.7 cents per kilogram). Production was 99,300 pounds (45 000 kilograms). Additional pulled wool is obtained but its value is not calculated since it is already included in the sales value of animals.

DAIRY

Milk production in 1981, at 288 551 kilolitres, increased only marginally over the 1980 production of 288 079 kilolitres. Cash receipts from all milk sold off farms was up from $75,491,000 in 1980 to $86,587,000 in 1981. Supplementary payments increased from $10,115,000 to $10,351,000 during the same period.

MILK SALES AND CASH RECEIPTS

Metric	Sales			Cash Receipts		
	1979	1980	1981	1979	1980	1981
	(kilolitres)			($000)		
Milk and Cream for:						
Fluid Purposes	110 534	110 180	108 415	32,478	37,514	43,821
Industrial						
Delivered as Milk	132 072	143 864	148 987	26,312	34,048	38,764
Delivered as Cream	37 300	34 035	31 149	3,739	3,929	4,002
Total Farm Sales of:						
Milk and Cream	279 906	288 079	288 551	63,419	75,491	86,587
Supplementary Payments	—	—	—	9,757	10,115	10,351
Total	279 906	288 079	288 551	73,176	85,606	96,938

MILK SALES AND CASH RECEIPTS

Imperial	Sales			Cash Receipts		
	1979	1980	1981	1979	1980	1981
	(000 lbs.)			($000)		
Milk and Cream for:						
Fluid Purposes	250,912	250,108	246,118	32,478	37,514	43,821
Industrial						
Delivered as Milk	299,803	326,571	338,222	26,312	34,048	38,764
Delivered as Cream	84,671	77,259	70,712	3,739	3,929	4,002
Total Farm Sales of:						
Milk and Cream	635,386	653,938	655,052	63,419	75,491	86,587
Supplementary Payments	—	—	—	9,757	10,115	10,351
Total	635,386	653,938	655,052	73,176	85,606	96,938

Butter Production

In 1981, production declined by 41 000 kilograms (90,000 pounds) from the 1980 level, a drop of only 1 percent. Monthly production was less than in 1980 during seven months of the year. It was noticeably higher in June, 1981 at 772 000 kilograms (1,702,000 pounds) compared to 598 000 kilograms (1,318,000 pounds) in June, 1980.

Cheddar Cheese Production

In 1981, production decreased by 435 000 kilograms (959,000 pounds) from 6 857 000 kilograms (15,117,000 pounds) produced in 1980. The ice-cream mix listed represents one-half of the actual ice-cream volume as two parts of ice cream are made from one of mix.

DAIRY FACTORY PRODUCTION BY MONTH, 1981

Month	Butter (000 kg)	Cheddar Cheese (000 kg)	Ice-Cream Mix (000 L)	Butter (000 lb)	Cheddar Cheese (000 lb)	Ice-Cream Mix (000 gal)
January	268	533	745	591	1,175	164
February	268	554	638	591	1,221	140
March	318	725	745	701	1,598	164
April	329	597	1 067	725	1,316	235
May	342	616	1 261	754	1,358	277
June	772	636	1 198	1,702	1,402	263
July	352	523	1 250	776	1,153	275
August	328	442	1 108	723	975	244
September	317	441	930	699	972	205
October	297	453	801	655	999	176
November	273	432	526	602	953	116
December	294	470	795	648	1,036	175
Year	4 158	6 422	11 064	9,167	14,158	2,434

Total Milk Supply

For the year ending September 30, 1981, milk deliveries increased by 7.26 million litres to total 257.15 million litres. Monthly production was higher than in 1980, with the exception of July, August and September. The month of March, 1981 recorded the largest increase.

Producer prices for Class I milk increased from $36.08 per hectolitre to $43.90 per hectolitre ($15.89 to $19.33 per hundredweight) from 1980 to 1981.

Milk Cows

The number of milk cows on farms July 1, 1981 was 83,000, an increase of 3,000 head over a year earlier (unrevised estimate). Dairy replacement heifers increased by 3,500 head during the same period. The 1981 Census reported milk cows at 83,188 and replacement heifers at 32,331 head.

POULTRY

Production value of the poultry industry rose to $96,663,000 in 1981, a 20.6 percent increase over 1980. Eggs and meat each account for about half of the 20.6 percent increase. Both numbers and prices increased for egg production, broilers, roasters, fowl and broiler turkeys. Heavy turkey marketings declined slightly but prices rose. Marketings of geese rose dramatically and prices advanced. Duck marketings declined but prices increased.

	— 1980 —			— 1981 —		
	Doz. (000)	**Price** (¢ / doz.)	**Value** ($000)	**Doz.** (000)	**Price** (¢ / doz.)	**Value** ($000)
Eggs						
Sold for market	48,553	72.4	35,152	48,708	85.3	41,548
Used on farms	879	72.4	636	952	85 3	812
Hatching (chicks)	1,782	168.0	2,993	1,958	209.0	4,092
	51,214		38,781	51,618		46,452
Hatching (turkeys)	238	541.0	1,288	244	610.0	1,488
Total Egg Value			40,069			47,940
	Birds (000)	**Price** ($ each)	**Value** ($000)	**Birds** (000)	**Price** ($ each)	**Value** ($000)
Meat						
Chicken:						
Broilers	11,304	1.54	17,408	11,608	1.81	21,040
Roasting	1,855	2.90	5,379	2,257	3.41	7,696
Fowl	2,929	.21	615	3,048	.25	762
	16,088		23,402	16,913		29,498
Turkeys:						
Broilers	311	5.92	1,841	324	6.59	2,135
Roasting	943	11.77	11,104	857	13.27	11,372
	1,254		12,945	1,181		13,507
Geese	214	8.43	1,804	317	11.15	3,534
Ducks	425	4.59	1,951	400	5.46	2,184
Total Meat Value			40,102			48,723
Total Poultry (Eggs and Meat)			80,171			96,663

The average number of laying hens per month on Manitoba farms was 2,717,000 in January, 1981 and 2,598,000 in December, 1981. Production per bird at year end was at the rate of 254 eggs per bird.

MARKETINGS

Marketings of chicken broilers, roasters and fowl increased in 1981 by 2.7, 21.7, and 4.1 percent, respectively. Turkey marketings were down 5.8 percent in 1981 compared to 1980.

MANITOBA EGG QUOTA ALLOCATION AND INVENTORY*, 1981

Month	LAYER NUMBERS	
	Allocation	Inventory
January	2,505,292	2,363,650
February	2,505,292	2,387,657
March	2,505,292	2,283,061
April	2,505,292	2,159,744
May	2,505,292	2,023,038
June	2,505,292	2,175,058
July	2,505,292	2,230,000
August	2,505,292	2,299,637
September	2,505,292	2,318,325
October	2,505,292	2,288,344
November	2,419,730	2,271,474
December	2,419,730	2,314,124

*Source: Canadian Egg Marketing Agency, Report to Ninth Producers' Conference

Egg prices during 1981 averaged 12.9 cents higher than in 1980. The following table shows monthly weighted price for all grades during the last five years.

EGG PRICES TO PRODUCERS, WINNIPEG, 1977 - 1981

Month	ALL GRADES				
	1977	1978	1979	1980	1981
	(cents per dozen delivered, ungraded)				
January	60.2	58.0	62.9	69.6	83.1
February	61.5	59.1	63.8	71.4	84.5
March	62.0	59.3	64.4	70.6	84.5
April	61.8	59.7	64.9	70.4	84.4
May	62.0	60.8	65.0	69.1	84.8
June	63.2	61.8	65.8	68.0	85.2
July	62.1	61.8	66.8	70.1	86.5
August	59.7	61.5	67.8	72.1	88.5
September	57.4	60.5	68.7	73.9	86.3
October	57.3	60.8	69.3	75.8	86.6
November	57.2	60.8	69.5	77.8	85.2
December	57.4	61.7	68.6	79.8	84.0
Year	60.2	60.5	66.6	72.4	85.3

HORSES

Normally, there is no production value calculated for horses since they are not considered a product and perform a resource function similar to machinery. Recreational use is becoming increasingly important. The 1981 Census reported 31,284 horses on Manitoba farms. In 1981, 109 farmers collected pregnant mare's urine under contract from some 4,650 mares. Gross farm income from this source was $2,860,000.

HONEY

Following another relatively short and mild winter, spring conditions in Manitoba were excellent for the buildup of package and overwintered colonies.

Seasonal rains in the early part of the summer promoted excellent crop development in most regions and, as a result, many beekeepers were looking for a bumper crop. However, this did not materialize as the nectar flow showed a below normal reduction beginning in mid-July and continuing through August in many areas. This may have been partly due to continued reductions in the amount of canola (rapeseed) being grown.

Honey crop conditions were variable throughout Manitoba with some areas reporting an above average crop (eg. Sunflower Belt) while others reported a less than average crop, particularly in the Interlake and Northern regions.

HONEY PRICES AND PRODUCTION, MANITOBA, 1980, 1981

	1980	1981
Number of Beekeepers	1,400	1,550
Number of Colonies	99,000	103,000
Honey:		
Average pounds/hive	155	162
Average kg/hive	(70)	(73)
Total Production - lbs.	15,345,000	16,686,000
Total Production - kg	(6,960,000)	(7,569,000)
Price / lb. - ¢	57	61
Price / kg - ¢	(125)	(134)
Total Value	$ 8,747,000	$10,178,000
Beeswax:		
Production - lbs.	230,175	250,290
Production - kg	(104,625)	(113,631)
Price / lb - ¢	231	228
Price / kg - ¢	(508)	(502)
Total Value	$ 531,704	$ 570,661
Total Value Honey & Beeswax	$ 9,278,704	$10,748,000

Package bee prices increased in 1981 ranging from $23.00 to $28.50 for a two-pound package of bees and a queen delivered in Manitoba. Package bee prices are not expected to increase greatly in 1982.

Approximately 28,000 colonies of bees were overwintered in Manitoba during the winters of 1980-81 and 1981-82.

The honey market began to weaken after the honey crop was harvested and, by year-end, some beekeepers still had substantial amounts of unsold honey. As has been the case in the past, approximately 43 percent of the Manitoba crop was delivered to the Manitoba Co-operative Honey Producers Ltd., about 50 percent went on the "open market" and approximately seven percent moved directly to the consumer.

FUR

The value of fur production from licensed fur farms in Manitoba was estimated at 2.2 million dollars in the 1980-81 season. Mink accounted for the total value.

Number of mink pelts sold from fur farms	59,001
Estimated value of mink pelts sold from fur farms	$2,157,159

FOREST PRODUCTS

The value of production was estimated at $280,000 in 1981, the same as for 1980. This is based on total commercial sales and includes pulpwood, fenceposts, etc. from farm wood lots. The 1981 Census reported 613,277 acres (248 184 hectares) of woodland compared to 928,410 acres (375 710 hectares) reported for the 1976 Census on Manitoba farms.

RESOURCES

Land and Farms

LAND USE

Land Use by Area, Manitoba, 1981

Crop District	Improved Land					Unimproved Land		
	Crops	Fallow	Pasture	Other	Total	Woodland	Other	Total Land
	Thousand Acres							
1	1,231	145	85	25	1,486	14	345	1,845
2	1,195	187	107	32	1,521	35	518	2,074
3	1,059	282	90	34	1,465	55	537	2,057
4	445	147	53	17	663	34	241	938
5	448	103	37	13	601	42	153	796
6	835	170	111	37	1,152	109	787	2,048
7	1,617	108	113	43	1,882	49	340	2,271
8	1,885	77	56	38	2,056	39	228	2,323
9	868	66	50	28	1,012	35	155	1,202
10	192	28	28	9	258	34	142	433
11	549	67	40	22	677	20	181	878
12	599	99	101	31	829	148	979	1,956
Province	10,923	1,479	871	328	13,601	613	4,605	18,819

Crop District	Improved Land					Unimproved Land		
	Crops	Fallow	Pasture	Other	Total	Woodland	Other	Total Land
	Thousand Hectares							
1	498	59	34	10	601	6	139	747
2	484	76	43	13	615	14	210	839
3	429	114	36	14	593	22	217	832
4	180	60	22	7	268	14	98	380
5	181	42	15	5	243	17	62	322
6	338	69	45	15	466	44	319	829
7	655	44	46	17	762	20	138	919
8	763	31	22	15	832	16	92	940
9	351	27	20	11	410	14	63	486
10	78	11	11	4	104	14	57	175
11	222	27	16	9	274	8	73	355
12	242	40	41	13	336	60	396	792
Province	4 420	598	353	133	5 504	248	1 864	7 616

Summerfallow, 1979 - 1981

Crop District	1979	1980	1981	1979	1980	1981
	— — — 000 acres — — —			— — — 000 ha — — —		
1	199	235	145	81	95	59
2	240	308	187	97	125	76
3	328	400	282	133	161	114
4	182	190	147	74	77	60
5	105	123	103	42	49	42
6	263	239	170	106	97	69
7	203	155	108	82	63	44
8	153	137	77	62	56	31
9	107	86	66	43	35	27
10	54	41	28	22	17	11
11	113	72	67	46	29	27
12	153	114	99	62	46	40
Province	2,100	2,100	1,479	850	850	598

FARM NUMBER, SIZE, TYPES

The 1981 Census defines a farm as an agricultural holding with sales of agricultural products during a 12 month period of $250 or more.

In 1981, the total amount of all farms in Manitoba numbered 29,442 averaging 639 acres (259 hectares) per farm. Details about farm size, numbers and sales for Manitoba are listed below.

Size and Number of Farms by Area, 1981

Crop District	All Farms (sales ≥ $250) Per Farm			Census Farms (sales ≥ $1,200) Per Farm			Census Farms
	Number	Acres	Hectares	Number	Acres	Hectares	(sales ≥ $10,000)
1	2,140	862	349	2,106	873	353	1,849
2	2,712	765	310	2,615	787	318	2,178
3	2,801	734	297	2,725	750	304	2,210
4	1,362	689	279	1,316	705	285	999
5	1,323	602	244	1,267	619	250	954
6	2,708	756	306	2,566	783	317	1,846
7	3,285	691	280	3,184	709	287	2,651
8	4,216	551	223	4,103	564	228	3,550
9	3,348	359	145	3,056	386	156	2,067
10	1,035	418	169	875	458	185	431
11	2,052	428	173	1,875	459	186	1,169
12	2,460	795	322	2,263	840	340	1,519
Province	29,442	639	259	27,951	664	269	21,423

Farm Types By Area, 1981

Crop District	Percent of Farms With — Crops — Wheat	Oats	Barley	Flax	— Livestock — Cattle	Hogs	Sheep	Poultry
1	82	40	60	44	58	12	2	26
2	68	45	56	24	62	15	2	26
3	81	37	71	16	58	18	1	28
4	80	49	65	4	66	15	2	37
5	79	38	66	13	47	19	2	32
6	67	48	49	18	63	19	2	34
7	70	34	58	38	49	14	2	20
8	78	21	63	45	46	23	2	22
9	53	24	38	14	46	19	3	27
10	44	35	27	14	55	17	2	32
11	60	24	42	15	45	14	2	22
12	45	27	40	14	67	16	2	29
Province	68	34	54	24	54	17	2	27

LAND VALUES

Capital Investment

The average capital investment in land and buildings was $266,141 per farm (1981 Census). This value has increased substantially since 1976, reflecting trends towards increased size of farms and inflated land values. Value per acre (hectare) of farmland per crop district is listed below.

Value of Farm Lands, 1980 - 1981
(Buildings Included)

District	Dollars per Acre 1980	1981	Dollars per Hectare 1980	1981
1	263	297	650	734
2	252	282	623	697
3	213	266	526	657
4	169	221	418	546
5	247	251	610	620
6	148	188	366	465
7	404	453	998	1,119
8	511	636	1,263	1,572
9	525	657	1,297	1,623
10	236	236	583	583
11	470	487	1,161	1,203
12	119	136	294	336
Province	309	350	764	865

TENURE

Farms Classified by Tenure of Operator - 1981 Census

	No. of Operators	Total Acres	Total Hectares
Owner	16,083	6,592,198	2 667 768
Tenant	2,259	1,430,428	578 874
Part Owner, Part Tenant	11,100	10,796,733	4 369 282
Total	29,442	18,819,359	7 615 926

Farm operators owned 12,596,581 acres (5 097 655 hectares) and rented an additional 6,222,778 acres (2 518 269 hectares).

People

POPULATION

Manitoba's farm population continues to decline with the consolidation of farms. In 1981 there were 98,375 people on census farms. Of the 29,442 farm operators, 10.7 per cent did not live on the farms they operated, 1.9 per cent lived on their farms four months or less, 2.5 per cent five to eight months, and 84.9 per cent lived on their farms nine to twelve months. About 45.0 per cent of the operators were between 35 to 54 years of age, 24.5 per cent under 35 years, 21.0 per cent between 55 to 64, and 9.5 per cent over 65 years of age.

FARM LABOUR

Off-Farm Work. The 1981 census showed 10,397 farms reporting 1,604,871 days worked off farm.

	Farms Reporting Off-Farm Work									
Days — From	1	7	13	25	49	73	97	127	157	229
— To	6	12	24	48	72	96	126	156	228	365
Farms —	397	345	533	917	816	668	990	583	2,076	3,072

Hired Labour. The 1981 Census showed 9,433 farms hiring 247,727 total weeks of full-time and part-time labour. Most farm workers were hired on a part-time basis. However, the 2,347 farms reporting year round workers supplied over 53 percent of the total weeks hired labour.

FARM WAGES

The rise of average wage rates varied from 3.2 to 8.5 per cent in 1981 and the total cost of hired labour in 1981 increased by 5 per cent over 1980.

Male Farm Help Wages at Mid-August, 1980 - 1981

	Per Hour		Per Day		Per Month	
	1980	1981	1980	1981	1980	1981
With Board	$3.98	$4.32	$31.24	$33.42	$667	$709
Without Board	4.61	4.89	42.38	44.14	784	809

Capital

INVESTMENT IN AGRICULTURE

In 1981, average investment per Manitoba farm amounted to $354,966, an increase of 151 per cent over 1976. Land and buildings accounted for 75 per cent, machinery for 17 per cent and livestock for 8 per cent, respectively, of the total capital investment. Total provincial investment in agriculture was $10,450,954,346 in 1981, surpassing the 1976 value by 130 per cent. Capital investment per farm by area is listed below.

Capital Investment Per Farm By Area, 1981

Crop District	Land and Buildings	Machinery and Equipment	Livestock	Total
		(Dollars per farm)		
1	329,055	81,928	30,951	441,934
2	288,622	69,407	34,198	392,227
3	225,954	62,881	23,534	312,369
4	194,384	53,963	27,041	275,388
5	192,466	55,039	16,000	263,505
6	164,855	48,678	29,635	243,168
7	378,637	78,529	27,572	484,738
8	393,976	78,566	20,423	492,965
9	262,662	51,444	25,235	339,341
10	127,612	32,945	20,253	180,810
11	247,796	50,498	23,506	321,800
12	132,239	43,348	39,884	215,471
Province	266,140	61,939	26,887	354,966

MACHINERY

The number of farm trucks licensed for operation in Manitoba in 1981 was 66,308, an increase of 2 percent over 1980.

	Number on Manitoba Farms	Sales During		
	1981	1979	1980	1981
Tractors	67,342	2,610	2,251	2,132
Combines —				
self-propelled	16,309	588	461	700
pull type	6,322	430	320	356
Balers —				
hand portable bales	11,927	261	186	132
large round bales	3,767	556	624	513
Swathers and Wind Rowers	24,291	1,191	1,249	1,328

FERTILIZER

Total volume of sales declined from 604,200 tons (548 100 tonnes) in 1980 to 569,900 tons (517 000 tonnes) in 1981 mainly due to attempts to reduce cost of operation.

Sales in Manitoba, July 1 to June 30 — 1980 and 1981

Formulation	Tons Sold		Tonnes Sold	
	1980	1981	1980	1981
		(000's)		
Materials — Total	601.8	565.5	545.9	513.0
Types:				
Ammonium Phosphate	211.0	186.7	191.4	169.4
Ammonium Nitrate	111.3	85.8	101.0	77.8
Ammonium Nitrate Phosphate	28.7	37.8	26.0	34.3
Urea	110.3	99.2	100.0	90.0
Anhydrous Ammonia	72.2	59.9	65.5	54.3
Nitrogen Solutions	19.7	38.6	17.9	35.0
Ammonium Sulphate	13.9	10.9	12.6	9.9
Potassium Chloride	31.4	34.6	28.5	31.4
Other Fertilizer Materials	3.4	12.0	3.0	10.9
Materials — Total	601.8	565.5	545.9	513.0
Mixed Fertilizers	2.4	4.4	2.2	4.0
Total Fertilizer Sales	604.2	569.9	548.1	517.0

HERBICIDES

The amounts of 2,4-D and MCPA herbicides used in Manitoba for 1980 and 1981 are shown below. The use of TCA decreased by 40.3 per cent, Dalapon decreased by 45 per cent, and other chemicals (except wild oat herbicides) increased by 104 per cent in 1981 from 1980. The area treated for wild oats increased by 3 per cent in 1981 over 1980.

	Active Material	
	1980	1981
	— — — pounds — —	
2,4-D		
Ester	38,600	25,200
Ester low volatile	111,600	128,300
Amine	839,700	866,500
MCPA		
Ester	98,700	152,300
Amine	888,700	822,700
Sodium and Potassium Salt	126,900	144,500

	Active Material	
	1980	1981
	— — — kilograms — — —	
2,4-D		
Ester	17 500	11 400
Ester low volatile	50 600	58 200
Amine	380 900	393 000
MCPA		
Ester	44 800	69 100
Amine	403 100	373 200
Sodium and Potassium Salt	57 600	65 600

INCOME

FARM CASH INCOME

Farm cash income refers to the amount of money producers received during the calendar year. Most of the cash income in the first half of the year includes the sale of products produced during the previous year. Cash income for the second half is derived mainly from the current year's production. Total farm income amounted to $1,645,387,000 in 1981, 12 percent higher than in 1980. Cash income from crops increased by 14 percent and that from livestock increased by 5 percent over 1980.

	1977	1978	1979	1980	1981
Crop Sales		— thousand dollars —			
Wheat	172,783	223,433	241,053	340,984	337,926
Wheat C.W.B. Payments	9,758	10,757	40,219	43,039	130,685
Oats	17,333	13,950	6,198	4,642	6,963
Oats C.W.B. Payments	4,821	1,735	—	264	—
Barley	57,888	82,927	93,476	84,234	127,716
Barley C.W.B. Payments	12,980	16,408	9,468	9,330	20,323
Western Grain Stabilization Payments	—	18,400	41,400	—	—
Crop Insurance Payments	6,463	6,000	11,177	55,289	17,026
C.W.B. Net Cash Advance Payments	12,388	-362	-10,892	-5,156	29,907
Deferred Grain Receipts	-33,481	-34,764	-45,233	-58,068	-68,869
Liquidation of Deferred Grain Receipts	50,818	33,481	34,764	45,233	58,068
Rye	4,904	4,761	7,202	17,110	16,540
Flaxseed	42,100	54,597	77,173	92,919	71,448
Canola (Rapeseed)	56,695	90,699	122,521	100,383	74,527
Corn	1,892	2,441	6,780	8,497	10,746
Sugar Beets	11,830	11,528	10,049	20,153	22,063
Potatoes	17,647	19,465	17,906	24,089	32,562
Vegetables	4,053	5,097	6,231	7,195	7,865
Horticulture and Nursery	4,534	4,843	5,309	5,160	5,529
Other Crops	36,226	52,172	60,769	56,623	73,407
TOTAL CROPS	491,632	617,568	735,570	851,920	974,432
Livestock Sales					
Cattle	169,517	225,996	264,028	265,186	249,770
Calves	13,671	28,103	30,189	42,116	37,470
Hogs	78,129	105,128	117,147	112,635	138,885
Sheep and Lambs	345	486	806	1,004	876
Dairy Products	53,122	57,335	63,419	75,491	86,587
Poultry	28,208	30,582	36,561	37,853	42,432
Eggs	29,327	28,910	32,025	37,536	44,077
Honey	4,605	8,019	9,264	9,278	10,748
Other Livestock and Products	9,000	8,678	8,304	11,605	10,768
TOTAL LIVESTOCK AND PRODUCTS	385,924	493,237	561,743	592,704	621,613
Provincial Income Stabilization Program	7,100	7,100	250	—	5,965
Dairy Supplementary Payments	10,216	10,370	9,757	10,115	10,351
Deficiency Payments	4,148	3,599	734	2,470	11,394
Forest Products	262	258	298	280	280
Supplementary Payments (grain embargo)	—	—	—	6,110	21,352
TOTAL CASH RECEIPTS	899,282	1,132,132	1,308,352	1,463,599	1,645,387

FARM CASH AND OVERHEAD EXPENSES

In 1981, total farm operating expenses of $1,438,280,000 were 18 percent higher than in 1980, indicating the continuing rising trend in production costs.

	1977	1978	1979	1980	1981
	— thousand dollars —				
Taxes	21,791	23,208	25,174	27,601	29,809
Cash Rent	18,533	27,278	42,218	47,679	55,355
Share Rent	22,512	25,529	25,574	29,675	38,815
Cash Wages	29,540	33,141	39,390	45,501	47,685
Room and Board	1,510	1,980	1,865	1,714	1,684
Interest	63,175	81,757	118,994	148,722	207,107
Fuel — Machinery	63,163	72,773	80,100	87,913	116,309
Machinery Repairs, etc	65,979	74,809	82,045	92,626	108,650
Fertilizer	73,516	101,402	133,540	145,361	180,538
Pesticides	30,264	42,928	58,263	57,093	65,314
Seed, Twine, Wire, etc	21,280	26,877	37,340	39,254	47,191
Feed	66,482	64,471	83,146	123,433	134,789
Feeder Cattle and Weanling Pigs	19,892	20,265	24,349	30,483	23,256
Other Livestock Expenses	4,413	5,287	6,580	7,291	8,077
Building Repairs	14,466	16,328	17,524	17,980	19,544
Electricity	15,835	17,793	21,689	22,272	22,272
Telephone	3,633	4,011	4,731	5,275	5,502
Insurance	8,178	9,376	9,666	13,683	16,246
Custom Work	8,273	8,763	12,324	13,209	15,798
Stabilization Levies	4,789	4,684	6,637	9,270	9,690
Miscellaneous	25,301	28,615	35,145	39,624	49,287
Total Operating Expenses	582,525	691,275	866,294	1,005,659	1,202,918
Building Depreciation	11,085	12,530	13,526	15,412	16,616
Machinery Depreciation	130,818	146,999	170,243	194,879	218,746
TOTAL EXPENSES	724,428	850,804	1,050,063	1,215,950	1,438,280

FARM NET INCOME

Farm net income refers to the returns to capital and labour of the farm operator and unpaid members of the farm family. It is the proceeds left over after payment of expenses, for family living and investment. A part of net income is imputed for home consumption of product, home rent and changes in inventory of crops and livestock. In 1981, farm net income estimated at $427,271,000 exceeded 1980 by more than 600 percent and was the highest on record eclipsing the record of $398,000,000 set in 1975.

	1977	1978	1979	1980	1981
	— thousand dollars —				
Farm Cash Receipts	899,282	1,132,132	1,308,352	1,463,599	1,645,387
Income in Kind	11,403	15,526	17,689	17,357	18,318
Realized Gross Income	910,685	1,147,658	1,326,041	1,480,956	1,663,705
Operating and Depreciation Cost	724,428	850,804	1,050,063	1,215,950	1,438,280
REALIZED NET INCOME	186,257	296,854	275,978	265,006	225,425
Value of Inventory Change	114,087	43,190	-49,295	-205,277	201,846
TOTAL NET INCOME	300,344	340,044	226,683	59,729	427,271

WEATHER

The 1980-81 winter was relatively mild with below normal precipitation. Limited snow cover allowed soil drifting to occur in some areas lacking trash cover. Precipitation received during late May and early June restored soil moisture needed to promote heavy crop growth.

Spring work and seeding became general by the second week of May. Rapid progress in seeding operations was made during the warm dry conditions of early May. Chemical weed control applications were delayed by rain and strong winds received during June. Warm, dry weather during July resulted in good crop growth and maturation, however, some heat stress on cereals reduced bushel weight.

Harvesting became general by August 25th. Estimated yields of principal field crops are higher than the immediately preceding five-year average. Hay yield was considerably above that of 1980, with hay quality also much better than the poor crop harvested a year ago.

Weather Record for the Year 1981, Winnipeg

Compiled by Weather Office, Atmospheric Environment Service

	—Temperature—		—Precipitation—		— — — Sunshine — — —		
	Mean	Normal	1981	Normal		Percent of	Normal
Month	°C	°C	mm	mm	Hours	Possible	Hours
January	-14.1	-18.3	23.2	23.6	139.6	52.2	112.5
February	-10.1	-15.7	3.3	19.1	138.9	49.3	139.4
March	-1.0	-8.1	14.6	26.2	201.2	54.7	170.4
April	4.6	3.3	12.7	37.3	216.0	52.3	208.5
May	10.9	10.6	47.6	57.2	294.4	61.6	246.4
June	16.0	16.5	90.4	80.3	273.5	56.0	258.9
July	20.3	19.7	39.0	80.3	332.4	67.5	310.8
August	20.1	18.7	103.6	73.7	288.0	64.2	276.2
September	12.4	12.6	72.5	52.6	210.6	55.5	182.6
October	5.3	6.6	59.6	34.8	114.6	34.3	158.4
November	1.0	-4.4	5.9	27.2	112.4	41.2	81.2
December	-12.9	-13.7	7.3	22.9	111.6	44.1	86.2
Year	4.4	2.3	479.7	535.2	2433.2	54.4	2231.5

Precipitation at Various Manitoba Points, 1981

(millimetres)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.	Year
Altona	28 8	14 9	13 3	15 2	81 0	85 2	34 0	97 4	72 5	66 6	10 5	5 0	524 4
Birtle	16 5	4 4	9 4	19 8	47 0	91 4	53 8	60 6	68 2	49 2	6 8	6 4	433 5
Brandon A	13 1	7 9	7 2	16 9	27 0	71 8	28 5	160 4	59 1	45 8	2 3	6 8	446 8
Carman	40 6	4 8	15 6	13 0	39 0	93 1	96 4	61 8	49 0	49 8	6 0	4 0	473 1
Cypress River	18 4	8 2	10 0	13 4	23 6	117 0	84 2	133 0	56 6	45 4	0 8	10 6	521 2
Dauphin A	7 2	11 6	9 8	17 1	81 2	96 6	54 2	57 0	78 6	27 6	0 2	9 2	450 3
Emerson	20 8	15 2	28 0	5 0	65 8	91 0	46 2	86 4	81 8	69 0	11 6	9 4	530 2
Gimli	8 8	2 9	20 1	13 3	38 3	94 3	44 5	148 2	84 8	73 9	3 5	10 8	543 4
Hamiota	32 0	7 0	7 0	21 0	29 8	79 3	49 0	139 0	47 0	46 0	10 0	5 1	472 2
Lundar	4 4	4 8	21 7	23 5	52 2	71 3	39 9	120 3	78 0	54 0	Nil	6 0	476 1
McCreary	1 6	1 3	Tr	10 0	74 4	99 4	66 8	67 3	72 2	43 9	Tr	2 6	439 5
Morden AC	19 6	10 0	19 8	10 4	75 4	80 4	52 2	125 0	42 2	51 8	14 4	4 6	505 8
Morris	21 0	11 4	20 8	10 8	91 4	98 0	122 6	83 0	68 0	66 8	7 9	5 6	607 3
Neepawa	8 0	8 0	3 4	24 0	54 4	68 8	42 2	97 4	47 3	50 7	Tr	6 5	410 7
Pierson	19 0	1 5	2 0	12 0	13 5	62 4	46 8	46 7	34 0	29 8	15 0	15 0	297 7
Pilot Mound	40 2	10 2	8 0	29 8	40 0	89 5	41 6	136 6	59 9	49 9	17 0	11 6	534 3
Pinawa	10 5	1 6	23 0	20 3	37 4	135 7	18 1	103 2	99 5	47 4	13 2	12 9	522 8
Portage la Prairie A	12 3	7 9	9 5	13 6	54 8	95 6	61 1	104 5	107 8	66 9	1 0	10 2	545 2
Roblin	4 5	7 5	8 3	20 2	36 6	77 4	105 0	36 8	53 0	45 4	Tr	7 5	402 2
Russell	8 5	22 0	17 6	21 8	45 5	113 4	100 0	64 6	70 0	39 6	1 6	10 2	514 8
Sprague	19 0	5 5	14 6	11 2	105 4	205 9	133 0	57 4	135 6	37 8	24 8	12 0	762 2
Steinbach	27 0	7 0	16 2	9 2	73 3	132 4	52 4	113 8	106 0	48 1	8 0	4 0	597 4
Swan River	13 0	4 4	19 0	29 3	11 2	86 4	89 8	25 6	52 7	84 9	Tr	16 0	432 3
The Pas A	5 6	15 4	19 0	30 3	8 4	69 4	97 5	41 8	80 9	118 2	8 3	35 0	529 8
Turtle Mountain	17 0	7 0	0 7	10 8	41 5	76 6	52 5	70 5	37 5	48 0	15 0	12 0	389 1
Virden	23 5	5 4	5 0	14 3	26 6	76 2	30 5	136 0	57 0	50 6	13 6	11 1	449 8
Winnipeg A	23 2	3 3	14 6	12 7	47 6	90 4	39 0	103 6	72 5	59 6	5 9	7 3	479 7

Precipitation at Various Manitoba Points, 1981

(inches)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Altona	1 13	0 59	0 52	0 60	3 19	3 35	1 34	3 84	2 85	2 62	0 41	0 20	20 64
Birtle	0 65	0 17	0 37	0 78	1 85	3 60	2 12	2 39	2 68	1 94	0 27	0 25	17 07
Brandon A	0 52	0 31	0 28	0 67	1 06	2 83	1 12	6 31	2 33	1 80	0 09	0 27	17 59
Carman	1 60	0 19	0 61	0 51	1 54	3 66	3 80	2 43	1 93	1 96	0 24	0 16	18 63
Cypress River	0 72	0 32	0 39	0 53	0 93	4 61	3 31	5 24	2 23	1 79	0 03	0 42	20 52
Dauphin A	0 28	0 46	0 39	0 67	3 20	3 80	2 13	2 24	3 09	1 09	0 01	0 36	17 72
Emerson	0 82	0 60	1 10	0 20	2 59	3 58	1 82	3 40	3 22	2 71	0 46	0 37	20 87
Gimli	0 35	0 11	0 79	0 52	1 51	3 71	1 75	5 83	3 34	2 91	0 14	0 43	21 39
Hamiota	1 26	0 28	0 28	0 83	1 17	3 12	1 93	5 47	1 85	1 81	0 39	0 20	18 59
Lundar	0 17	0 19	0 85	0 92	2 06	2 81	1 57	4 74	3 07	2 12	Nil	0 24	18 74
McCreary	0 06	0 05	Tr	0 40	2 93	3 91	2 63	2 65	2 84	1 73	Tr	0 10	17 30
Morden AC	0 77	0 39	0 78	0 41	2 97	3 17	2 05	4 92	1 66	2 04	0 57	0 18	19 91
Morris	0 83	0 45	0 82	0 42	3 60	3 86	4 82	3 27	2 68	2 63	0 31	0 22	23 91
Neepawa	0 32	0 32	0 13	0 94	2 14	2 71	1 66	3 83	1 86	2 00	Tr	0 26	16 17
Pierson	0 75	0 06	0 08	0 47	0 53	2 46	1 84	1 84	1 34	1 17	0 59	0 59	11 72
Pilot Mound	1 58	0 40	0 32	1 17	1 57	3 52	1 64	5 38	2 36	1 96	0 67	0 46	21 03
Pinawa	0 41	0 06	0 91	0 80	1 47	5 34	0 71	4 06	3 92	1 87	0 52	0 51	20 58
Portage la Prairie A	0 49	0 31	0 37	0 54	2 16	3 76	2 41	4 11	4 24	2 63	0 04	0 40	21 46
Roblin	0 18	0 29	0 33	0 79	1 44	3 05	4 13	1 45	2 09	1 79	Tr	0 30	15 84
Russell	0 33	0 87	0 69	0 86	1 79	4 47	3 94	2 54	2 76	1 56	0 06	0 40	20 27
Sprague	0 75	0 22	0 57	0 44	4 15	8 11	5 23	2 26	5 34	1 49	0 98	0 47	30 01
Steinbach	1 06	0 28	0 64	0 36	2 89	5 21	2 06	4 48	4 17	1 89	0 32	0 16	23 52
Swan River	0 51	0 17	0 75	1 15	0 44	3 40	3 54	1 01	2 08	3 34	Tr	0 63	17 02
The Pas A	0 22	0 61	0 75	1 19	0 33	2 73	3 84	1 65	3 18	4 65	0 33	1 38	20 86
Turtle Mountain	0 67	0 28	0 03	0 42	1 63	3 02	2 07	2 77	1 48	1 89	0 59	0 47	15 32
Virden	0 93	0 21	0 20	0 56	1 05	3 00	1 20	5 35	2 24	1 99	0 54	0 44	17 71
Winnipeg A	0 91	0 13	0 57	0 50	1 87	3 56	1 54	4 08	2 85	2 35	0 23	0 29	18 88

Tr Trace
AC Agriculture Canada
A Airport

MANITOBA
AGRICULTURE IN PERSPECTIVE

Relationship to Canadian Agriculture

This section is designed to show how certain features of Manitoba agriculture relate to the national situation. Latest possible information is given for each item listed. Items were selected to indicate a fairly representative cross section of the agricultural industry.

Crop Production	Year	Canada Quantity	Manitoba Quantity	Percent of Canada
		(thousand bushels)		
Wheat	1981	911,335	122,220	13.4
Oats	1981	206,755	30,000	14.5
Barley	1981	630,343	107,000	17.0
Flaxseed	1981	18,400	10,300	56.0
Rapeseed (canola)	1981	81,000	13,500	16.7
		(thousand tonnes)		
Wheat	1981	24 802	3 326	13.4
Oats	1981	3 188	463	14.5
Barley	1981	13 724	2 330	17.0
Flaxseed	1981	468	262	56.0
Rapeseed (canola)	1981	1 837	306	16.7
Livestock and Poultry		(000)	(000)	
Cattle, July 1	1981	13,364	1,162	8.7
Hogs, July 1	1981	9,873	865	8.8
Egg Production	1981	487,913 doz.	51,618 doz.	10.6
Milk & Cream Sales	1981	7 361 984 L	288 551 L	3.9
Marketings		**(number)**	**(number)**	
Slaughter Cattle	1981	3,133,333	260,593	8.3
Feeder Cattle	1981	626,557	73,089	11.7
Total	1981	3,759,890	333,682	8.9
Hogs	1981	13,045,732	1,166,808	8.9
Sheep and Lambs	1981	234,796	16,790	7.2
Resources (Census Farms)				
Land in Farms	1981	162,815,073 ac	18,819,359 ac	11.6
Improved Land	1981	113,968,945 ac	13,600,633 ac	11.9
Land in Farms	1981	65 888 916 ha	7 615 926 ha	11.6
Improved Land	1981	46 121 591 ha	5 503 980 ha	11.9
Farm Numbers	1981	318,361	29,442	9.2
Farm Population	1981	1,081,637	98,375	9.1
Tractors on Farms	1981	657,606	67,342	10.2
Income		(thousand dollars)		
Farm Cash Income	1980	15,777,968	1,463,599	9.3
Cash and Overhead Expenses	1980	12,672,722	1,215,950	9.6
Farm Net Income	1980	3,157,344	59,729	1.9
Farm Cash Income	1981	18,441,444	1,645,387	8.9
Cash and Overhead Expenses	1981	14,563,628	1,438,280	9.9
Farm Net Income	1981	4,890,440	427,271	8.7

Past Trends

PRODUCTION VALUE SUMMARY

Year	Crops	Livestock	Other	Total
		(million dollars)		
1947	187	83	5	275
1948	224	102	3	329
1949	205	102	3	310
1950	229	92	3	324
1951	232	130	3	365
1952	252	110	4	366
1953	186	96	4	286
1954	143	101	4	248
1955	172	106	5	283
1956	208	103	5	316
1957	157	110	5	272
1958	195	141	5	341
1959	201	132	5	338
1960	224	124	4	352
1961	137	135	5	277
1962	293	129	4	426
1963	243	135	5	383
1964	295	134	4	433
1965	321	143	5	469
1966	322	165	5	492
1967	307	164	5	476
1968	294	164	4	462
1969	264	209	5	478
1970	233	223	3	459
1971	338	206	3	547
1972	437	253	4	694
1973	929	355	6	1,290
1974	708	339	7	1,054
1975	767	326	8	1,101
1976	741	330	12	1,083
1977	851	345	13	1,209
1978	1,077	428	12	1,517
1979	1,028	537	15	1,580
1980	1,122	533	14	1,669
1981	1,451	524	16	1,991

CROPS

Wheat

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1947	2,497	16.8	42,000	1.66	69,720
1948	2,172	23.0	50,000	1.66	83,000
1949	2,887	18.0	52,000	1.63	84,760
1950	2,382	21.0	50,000	1.62	81,000
1951	2,326	22.8	53,000	1.61	85,330
1952	2,368	24.1	57,000	1.63	92,910
1953	2,300	20.8	48,000	1.36	65,280
1954	2,139	13.5	29,000	1.31	37,990
1955	2,075	20.2	42,000	1.42	59,640
1956	2,199	25.6	56,000	1.28	71,680
1957	2,200	22.3	49,000	1.33	65,170
1958	2,480	24.6	61,000	1.36	82,960
1959	2,670	23.1	62,000	1.37	84,940
1960	2,800	23.6	66,000	1.61	106,260
1961	2,914	11.7	34,000	1.78	60,520
1962	3,042	26.3	80,000	1.70	136,000
1963	3,153	19.3	61,000	1.71	104,310
1964	3,385	25.1	85,000	1.63	138,550
1965	3,240	24.4	79,000	1.65	130,350
1966	3,255	24.3	79,000	1.78	140,620
1967	3,520	25.6	90,000	1.64	147,600
1968	3,400	26.8	91,000	1.36	123,760
1969	2,500	25.6	64,000	1.45	92,800
1970	1,400	21.8	30,500	1.45	44.225
1971	2,519	29.4	74,000	1.37	101,380
1972	2,600	26.5	69,000	1.86	128,340
1973	3,100	25.8	80,000	4.30	344,000
1974	2,800	21.1	59,000	4.00	236,000
1975	3,100	25.2	78,000	3.53	275,340
1976	3,800	27.1	103,000	2.80	288,400
1977	3,200	31.6	101,000	2.67	269,670
1978	3,400	30.7	104,000	3.61	375,440
1979	3,000	25.0	75,000	4.63	347,004
1980	3,300	21.2	70,000	5.52	386,354
1981	3,900	31.3	122,200	4.59	560,520

Wheat

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per tonne $	Farm Value Total ($000)
1947	1 010	1 132	1 143 072	60.99	69,720
1948	879	1 548	1 360 800	60.99	83,000
1949	1 168	1 212	1 415 232	59.89	84,760
1950	964	1 412	1 360 800	59.52	81,000
1951	941	1 533	1 442 448	59.16	85,330
1952	958	1 619	1 551 312	59.89	92,910
1953	931	1 403	1 306 368	49.97	65,280
1954	866	911	789 264	48.13	37,990
1955	840	1 361	1 143 072	52.18	59,640
1956	890	1 712	1 524 096	47.03	71,680
1957	890	1 498	1 333 584	48.87	65,170
1958	1 004	1 654	1 660 176	49.97	82,960
1959	1 080	1 562	1 687 392	50.34	84,940
1960	1 133	1 585	1 796 256	59.16	106,260
1961	1 179	785	925 344	65.40	60,520
1962	1 231	1 769	2 177 280	62.46	136,000
1963	1 276	1 301	1 660 176	62.83	104,310
1964	1 370	1 689	2 313 360	59.89	138,550
1965	1 311	1 640	2 150 064	60.63	130,350
1966	1 317	1 633	2 150 064	65.40	140,620
1967	1 424	1 720	2 449 440	60.26	147,600
1968	1 376	1 800	2 476 656	49.97	123,760
1969	1 012	1 721	1 741 824	53.28	92,800
1970	567	1 464	830 088	53.28	44,225
1971	1 019	1 976	2 013 984	50.34	101,380
1972	1 052	1 785	1 877 904	68.34	128,340
1973	1 254	1 736	2 177 280	158.00	344,000
1974	1 133	1 417	1 605 700	146.98	236,000
1975	1 255	1 691	2 122 800	129.71	275.340
1976	1 538	1 823	2 803 200	102.88	288,400
1977	1,295	2 123	2 748 800	98.10	269,670
1978	1,376	2 057	2 830 400	132.64	375,440
1979	1,214	1 681	2 041 200	170.00	347,004
1980	1 336	1 426	1 905 100	202.80	386,354
1981	1 578	2 110	3 326 000	168.53	560,520

Oats

Year	Harvested For Grain (000 Acres)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1947	1,301	28.2	36,700	.78	28,626
1948	1,412	40.2	56,800	.65	36,920
1949	1,605	31.1	49,900	.77	38,423
1950	1,522	43.5	66,200	.72	47,664
1951	1,643	35.3	58,000	.71	41,180
1952	1,611	40.3	65,000	.62	40,300
1953	1,412	37.5	53,000	.58	30,740
1954	1,510	23.8	36,000	.62	22,320
1955	1,485	33.7	50,000	.64	32,000
1956	1,950	45.0	88,000	.52	45,760
1957	1,500	32.2	48,000	.50	24,000
1958	1,430	35.1	50,000	.55	27,500
1959	1,420	35.3	50,000	.64	32,000
1960	1,500	37.3	56,000	.62	34,720
1961	1,300	18.5	24,000	.63	15,120
1962	1,794	49.6	89,000	.59	52,510
1963	1,620	38.3	62,000	.55	34,100
1964	1,635	44.6	73,000	.60	43,800
1965	1,525	48.5	74,000	.71	52,540
1966	1,553	41.2	64,000	.75	48,000
1967	1,600	41.2	66,000	.69	45,540
1968	1,580	51.3	81,000	.49	39,690
1969	1,530	45.1	69,000	.55	37,950
1970	1,260	42.1	53,000	.50	26,500
1971	1,395	54.5	76,000	.53	40,280
1972	1,140	48.2	55,000	.90	49,500
1973	1,300	48.5	63,000	1.63	102,690
1974	1,200	35.8	43,000	1.53	65,790
1975	1,100	45.5	50,000	1.44	72,000
1976	1,250	48.8	61,000	1.13	68,930
1977	1,050	55.2	58,000	.99	57,420
1978	750	54.7	41,000	1.03	42,364
1979	450	44.4	20,000	1.37	27,448
1980	450	40.0	18,000	1.84	33,034
1981	600	50.0	30,000	1.48	44,448

Oats

Year	Harvested For Grain (000 hectares)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1947	526	1 076	565 987	50.58	28,626
1948	571	1 534	875 970	42.15	36,920
1949	650	1 184	769 558	49.93	38,423
1950	616	1 657	1 020 936	46.69	47,664
1951	665	1 345	894 476	46.04	41,180
1952	652	1 537	1 002 430	40.20	40,300
1953	571	1 431	817 366	37.61	30,740
1954	611	909	555 192	40.20	22,320
1955	601	1 283	771 100	41.50	32,000
1956	789	1 720	1 357 136	33.72	45,760
1957	607	1 220	740 256	32.42	24,000
1958	579	1 332	771 100	35.66	27,500
1959	575	1 341	771 100	41.50	32,000
1960	607	1 423	863 632	40.20	34,720
1961	526	704	370 128	40.85	15,120
1962	726	1 891	1 372 558	38.26	52,510
1963	656	1 458	956 164	35.66	34,100
1964	662	1 701	1 125 806	38.91	43,800
1965	617	1 850	1 141 228	46.04	52,540
1966	628	1 572	987 008	48.63	48,000
1967	647	1 573	1 017 852	44.74	45,540
1968	639	1 955	1 249 182	31.77	39,690
1969	619	1 719	1 064 118	35.66	37,950
1970	510	1 603	817 366	32.42	26,500
1971	565	2 074	1 172 072	34.37	40,280
1972	461	1 840	848 210	50.95	49,500
1973	526	1 847	971 586	105.69	102,690
1974	486	1 366	633 100	103.92	65,790
1975	445	1 733	771 100	93.37	72,000
1976	506	1 859	940 800	73.27	68,930
1977	425	2 105	894 500	64.19	57,420
1978	304	2 080	632 300	67.00	42,364
1979	182	1 694	308 400	89.00	27,449
1980	182	1 525	277 600	119.00	33,034
1981	243	1 905	463 000	96.00	44,448

Barley

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1947	1,901	17.9	34,000	1.11	37,740
1948	1,540	29.2	45,000	.98	44,100
1949	1,699	23.5	40,000	1.40	56,000
1950	1,717	32.0	55,000	1.14	62,700
1951	2,040	27.5	56,000	1.13	63,200
1952	2,165	32.8	71,000	1.11	78,810
1953	2,365	25.8	61,000	.91	55,510
1954	2,202	20.0	44,000	.92	40,480
1955	2,090	19.1	40,000	.94	37,600
1956	1,548	26.9	42,000	.82	34,440
1957	1,704	19.4	33,000	.79	26,070
1958	1,584	27.8	44,000	.81	35,640
1959	1,270	25.9	33,000	.78	25,740
1960	930	26.1	24,000	.84	20,160
1961	655	13.7	9,000	1.05	9,450
1962	629	33.4	21,000	1.00	21,000
1963	584	27.4	16,000	.92	14,720
1964	497	32.2	16,000	1.02	16,320
1965	601	36.6	22,000	1.05	23,100
1966	875	32.0	28,000	1.10	30,800
1967	970	34.0	33,000	.89	29,370
1968	1,170	36.8	43,000	.79	33,970
1969	1,200	35.0	42,000	.69	28,980
1970	1,500	34.0	51,000	.80	40,800
1971	2,052	45.8	94,000	.78	73,320
1972	2,100	40.5	85,000	1.26	107,100
1973	2,100	39.5	83,000	2.51	208,330
1974	1,800	29.4	53,000	2.22	117,660
1975	1,500	34.0	51,000	2.28	116,280
1976	1,550	41.9	65,000	2.00	130,000
1977	1,900	49.5	94,000	1.65	155,100
1978	1,750	48.6	85,000	1.69	143,650
1979	1,450	40.0	58,000	2.25	130,500
1980	2,000	36.0	72,000	2.96	213,194
1981	2,350	45.5	107,000	2.50	267,950

Barley

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1947	769	963	740 282	50.98	37,740
1948	623	1 573	979 785	45.01	44,100
1949	688	1 266	870 920	64.30	56,000
1950	695	1 723	1 197 515	52.36	62,700
1951	826	1 476	1 219 288	51.83	63,200
1952	876	1 765	1 545 883	50.98	78,810
1953	957	1 388	1 328 153	41.79	55,510
1954	891	1 075	958 012	42.25	40,480
1955	846	1 029	870 920	43.17	37,600
1956	626	1 461	914 466	37.66	34,440
1957	690	1 041	718 509	36.28	26,070
1958	641	1 495	958 012	37.20	35,640
1959	514	1 398	718 509	35.82	25,740
1960	376	1 390	522 552	38.58	20,160
1961	265	739	195 957	48.22	9,450
1962	255	1 793	457 233	45.93	21,000
1963	236	1 476	348 368	42.25	14,720
1964	201	1 733	348 368	46.85	16,320
1965	243	1 971	479 006	48.22	23,100
1966	354	1 722	609 644	50.52	30,800
1967	393	1 828	718 509	40.88	29,370
1968	473	1 979	936 239	36.28	33,970
1969	486	1 882	914 466	31.69	28,980
1970	607	1 829	1 110 423	36.74	40,800
1971	830	2 466	2 046 662	35.82	73,320
1972	850	2 177	1 850 705	57.87	107,100
1973	850	2 126	1 807 159	115.28	208,330
1974	728	1 584	1 153 900	101.97	117,660
1975	607	1 829	1 110 400	104.72	116,280
1976	627	2 257	1 415 200	91.86	130,000
1977	769	2 661	2 046 600	75.78	155,100
1978	708	2 614	1 850 700	77.62	143,650
1979	587	2 151	1 262 800	103.34	130,500
1980	809	1 940	1 567 600	136.00	213,194
1981	951	2 450	2 330 000	115.00	267,950

Flaxseed

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1947	600	9.4	5,640	5.24	29,554
1948	1,000	9.4	9,400	3.82	35,908
1949	140	8.2	1,148	3.32	3,811
1950	323	9.7	3,133	3.44	10.778
1951	655	7.1	4,650	3.87	17,996
1952	500	9.2	4,600	3.19	14,674
1953	420	9.0	3,800	2.46	9,348
1954	444	9.0	4,000	2.65	10,600
1955	531	8.3	4,400	2.80	12,320
1956	789	10.1	8,000	2.59	20,720
1957	865	4.0	3,500	2.48	8,680
1958	550	8.5	4,700	2.62	12,314
1959	575	8.0	4,600	3.04	13,984
1960	707	9.1	6,400	2.75	17,600
1961	748	5.7	4,300	3.30	14,190
1962	667	11.7	7,800	3.00	23,400
1963	820	11.3	9,300	2.85	26,505
1964	1,025	10.3	10,600	2.95	31,270
1965	1,350	12.0	16,200	2.69	43,578
1966	1,107	9.0	10,000	2.70	27,000
1967	660	8.6	5,700	3.08	17,556
1968	820	12.7	10,400	2.84	29,536
1969	1,100	9.3	10,200	2.57	26,214
1970	1,150	10.9	12,500	2.15	26,875
1971	566	10.4	5,900	2.00	11,800
1972	500	11.8	5,900	4.10	24,190
1973	600	12.7	7,600	9.55	72,580
1974	700	9.4	6,600	9.56	63,096
1975	750	11.2	8,400	6.55	55,020
1976	525	12.0	6,300	6.78	42,714
1977	750	17.3	13,000	5.26	68,380
1978	750	16.7	12,500	6.81	85,125
1979	1,250	14.0	17,500	7.11	124,460
1980	800	10.4	8,300	8.13	67,520
1981	700	14.7	10,300	8.19	84,364

Flaxseed

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per tonne $	Total ($000)
1947	243	590	143 267	206.29	29,554
1948	405	590	238 779	150.38	35,908
1949	57	512	29 162	130.68	3,811
1950	131	608	79 584	135.43	10,778
1951	265	446	118 119	152.35	17,996
1952	202	578	116 849	125.58	14,674
1953	170	568	96 528	96.84	9,348
1954	180	564	101 608	104.32	10,600
1955	215	520	111 769	110.23	12,320
1956	319	637	203 216	101.96	20,720
1957	350	254	88 907	97.63	8,680
1958	223	535	119 389	103.14	12,314
1959	233	502	116 849	119.68	13,984
1960	286	568	162 573	108.26	17,600
1961	303	360	109 229	129.91	14,190
1962	270	734	198 136	118.10	23,400
1963	332	712	236 239	112.20	26,505
1964	415	649	269 261	116.13	31,270
1965	546	754	411 512	105.90	43,578
1966	448	567	254 020	106.29	27,000
1967	267	542	144 791	121.25	17,556
1968	332	796	264 181	111.80	29,536
1969	445	582	259 100	101.17	26,214
1970	465	683	317 525	84.64	26,875
1971	229	654	149 872	78.73	11,800
1972	202	741	149 872	161.40	24,190
1973	243	794	193 055	375.96	72,580
1974	283	592	167 700	376.24	63,096
1975	304	703	213 500	257.70	55,020
1976	212	753	160 000	266.96	42,714
1977	304	1 088	330 100	207.15	68,380
1978	304	1 046	317 500	268.11	85,125
1979	506	878	444 500	280.00	124,460
1980	324	651	211 000	320.00	67,520
1981	283	925	262 000	322.00	84,364

Rye

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value	
				Price Per Bushel $	Total ($000)
1947	40	15.0	600	3.54	2,124
1948	118	17.0	1,996	1.29	2,575
1949	46	16.3	750	1.19	892
1950	82	15.8	1,300	1.31	1,703
1951	53	15.8	835	1.54	1,286
1952	72	16.9	1,220	1.42	1,732
1953	138	20.3	2,800	.87	2,436
1954	92	17.2	1,590	.94	1,495
1955	89	19.7	1,750	.94	1,644
1956	68	16.1	1,100	.97	1,067
1957	73	16.5	1,200	.88	1,056
1958	72	16.8	1,200	.85	1,020
1959	83	20.0	1,660	.88	1,461
1960	83	20.0	1,660	.87	1,444
1961	80	11.1	886	1.08	957
1962	119	25.2	3,000	1.05	3,150
1963	95	22.4	2,128	1.30	2,766
1964	133	20.8	2,766	1.05	2,904
1965	133	22.5	2,992	1.04	3,112
1966	101	23.9	2,400	1.08	2,592
1967	141	18.9	2,667	1.08	2,880
1968	120	20.8	2,500	1.00	2,500
1969	183	18.3	3,358	.87	2,921
1970	194	21.5	4,177	.85	3,550
1971	128	25.5	3,280	.70	2,296
1972	82	22.5	1,830	1.31	2,397
1973	82	26.2	2,145	2.65	5,684
1974	92	23.9	2,200	2.25	4,950
1975	102	24.5	2,500	2.50	6,250
1976	92	29.3	2,700	2.14	5,778
1977	110	30.0	3,300	2.18	7,215
1978	125	31.2	3,900	2.59	10,108
1979	125	25.2	3,150	3.68	11,600
1980	150	19.6	2,940	4.37	12,848
1981	190	36.3	6,900	3.55	24,514

Rye

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per tonne $	Total ($000)
1947	16	953	15 241	139.36	2,124
1948	48	1 056	50 702	50.79	2,575
1949	19	1 003	19 052	46.82	892
1950	33	1 001	33 023	51.57	1,703
1951	21	1 010	21 211	60.63	1,286
1952	29	1 069	30 990	55.89	1,732
1953	56	1 270	71 126	34.25	2,436
1954	37	1 092	40 389	37.02	1,495
1955	36	1 235	44 454	36.98	1,644
1956	28	998	27 942	38.19	1,067
1957	30	1 016	30 482	34.64	1,056
1958	29	1 051	30 482	33.46	1,020
1959	34	1 240	42 167	34.65	1,461
1960	34	1 240	42 167	34.24	1,444
1961	32	703	22 506	42.52	957
1962	48	1 588	76 206	41.34	3,150
1963	38	1 422	54 055	51.17	2,766
1964	54	1 301	70 262	41.33	2,904
1965	54	1 407	76 003	40.95	3,112
1966	41	1 487	60 965	42.52	2,592
1967	57	1 189	67 747	42.51	2,880
1968	49	1 296	63 505	39.37	2,500
1969	74	1 153	85 300	34.24	2,921
1970	79	1 343	106 104	33.46	3,550
1971	52	1 602	83 319	27.56	2,296
1972	33	1 409	46 486	51.56	2,397
1973	33	1 651	54 487	104.32	5,684
1974	37	1 501	55 884	88.58	4,950
1975	41	1 550	63 500	98.43	6,250
1976	37	1 854	68 600	84.23	5,778
1977	45	1 873	83 900	86.00	7,215
1978	51	1 951	99 100	102.00	10,108
1979	50	1 600	80 000	145.00	11,600
1980	61	1 225	74 700	172.00	12,848
1981	77	2 290	175 100	140.00	24,514

Mixed Grains

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1947	13	23.0	308	.80	246
1948	21	29.4	609	.84	512
1949	27	27.0	734	.78	573
1950	32	35.0	1,134	.90	1,021
1951	33	32.0	1,056	.80	845
1952	37	32.8	1,200	.77	924
1953	33	33.4	1,112	.75	834
1954	38	25.7	984	.80	787
1955	47	26.0	1,222	.81	990
1956	67	35.0	2,342	.64	1,499
1957	72	27.7	2,003	.61	1,222
1958	111	30.6	3,397	.66	2,242
1959	136	30.8	4,189	.73	3,058
1960	126	31.7	3,994	.75	2,996
1961	157	18.2	2,857	.91	2,600
1962	124	40.3	5,000	.90	4,500
1963	126	31.0	3,900	.76	2,964
1964	126	38.9	4,900	.84	4,116
1965	146	41.1	6,000	.85	5,100
1966	184	37.2	6,845	.95	6,503
1967	178	37.6	6,700	.80	5,360
1968	178	43.3	7,700	.65	5,005
1969	190	37.4	7,100	.65	4,615
1970	250	36.8	9,200	.65	5,980
1971	284	47.5	13,500	.65	8,775
1972	290	43.1	12,500	1.08	13,500
1973	295	42.4	12,500	2.07	25,875
1974	200	30.0	6,000	1.90	11,400
1975	200	37.5	7,500	1.55	11,625
1976	170	40.6	6,900	1.57	10,842
1977	170	47.1	8,000	1.63	13,040
1978	160	47.5	7,600	1.69	11,728
1979	140	42.1	5,900	2.14	12,642
1980	120	35.8	4,300	2.65	11,414
1981	120	45.0	5,400	2.34	12,650

Mixed Grains

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per tonne $	Total ($000)
1947	5	1 146	5 728	42.95	246
1948	8	1 416	11 326	45.21	512
1949	11	1 241	13 650	41.98	573
1950	13	1 622	21 089	48.41	1,021
1951	13	1 511	19 639	43.03	845
1952	15	1 488	22 318	41.40	924
1953	13	1 591	20 680	40.33	834
1954	15	1 220	18 300	43.01	787
1955	19	1 196	22 726	43.56	990
1956	27	1 613	43 555	34.42	1,499
1957	29	1 284	37 250	32.81	1,222
1958	45	1 404	63 175	35.49	2,242
1959	55	1 416	77 904	39.25	3,058
1960	51	1 456	74 278	40.33	2,996
1961	64	830	53 133	48.93	2,600
1962	50	1 860	92 986	48.39	4,500
1963	51	1 422	72 529	40.87	2,964
1964	51	1 787	91 127	45.17	4,116
1965	59	1 891	111 584	45.71	5,100
1966	74	1 720	127 298	51.08	6,503
1967	72	1 731	124 602	43.02	5,360
1968	72	1 989	143 199	34.95	5,005
1969	77	1 715	132 041	34.95	4,615
1970	101	1 694	171 095	34.95	5,980
1971	115	2 183	251 063	34.95	8,775
1972	117	1 987	232 466	51.08	11,875
1973	119	1 954	232 466	111.31	25,875
1974	81	1 378	111 584	102.17	11,400
1975	81	1 722	139 500	100.00	13,950
1976	69	2 040	140 800	77.00	10,842
1977	69	2 367	163 300	79.85	13,040
1978	65	2 174	141 300	83.00	11,728
1979	57	2 112	120 400	105.00	12,642
1980	49	1 792	87 800	130.00	11,414
1981	49	2 260	110 000	115.00	12,650

Grain Corn

Year	Planted Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1947	10,500	24.0	252	1.40	353
1948	9,900	30.0	297	1.25	371
1949	22,000	25.0	550	.95	522
1950	30,000	13.0	390	.95	370
1951	25,000	6.0	150	1.00	150
1952	19,700	28.0	552	1.10	607
1953	15,000	30.0	450	1.00	450
1954	9,900	23.3	231	1.10	461
1955	6,300	30.0	189	1.10	231
1956	7,100	25.0	178	1.20	214
1957	8,000	25.0	200	1.20	240
1958	7,000	25.0	175	1.16	203
1959	5,000	30.0	150	.95	142
1960	5,500	32.5	179	1.08	193
1961	4,100	30.0	123	1.15	141
1962	3,300	40.0	132	1.15	152
1963	4,500	40.0	180	1.25	225
1964	5,000	25.0	125	1.20	150
1965	6,000	25.0	150	1.25	188
1966	2,900	44.8	130	1.47	191
1967	5,500	50.0	275	1.50	412
1968	2,500	30.0	75	1.32	99
1969	3,000	33.3	100	1.35	135
1970	3,500	50.0	175	1.60	280
1971	9,100	48.4	440	1.25	550
1972	13,000	53.8	700	1.55	1,085
1973	16,000	55.0	880	3.05	2,684
1974	5,000	38.0	190	3.67	697
1975	12,000	62.5	750	3.05	2,288
1976	17,000	67.6	1,150	3.02	3,473
1977	24,000	64.6	1,550	2.62	4,061
1978	88,000	65.9	5,800	2.80	16,240
1979	130,000	60.0	7,800	3.15	24,570
1980	140,000	53.6	7,500	3.40	25,527
1981	225,000	75.6	17,000	2.72	46,224

Grain Corn

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per tonne $	Farm Value Total ($000)
1947	4 249	1 506	6 401	55.15	353
1948	4 006	1 883	7 544	49.18	371
1949	8 903	1 569	13 971	37.36	522
1950	12 140	816	9 907	37.35	370
1951	10 117	377	3 810	39.37	150
1952	7 972	1 759	14 022	43.29	607
1953	6 070	1 883	11 431	39.37	450
1954	4 006	1 465	5 868	78.56	461
1955	2 549	1 883	4 801	48.11	231
1956	2 873	1 574	4 522	47.32	214
1957	3 237	1 569	5 080	47.24	240
1958	2 833	1 569	4 445	45.67	203
1959	2 023	1 883	3 810	37.27	142
1960	2 226	2 043	4 547	42.45	193
1961	1 659	1 883	3 124	45.13	141
1962	1 335	2 512	3 353	45.33	152
1963	1 821	2 511	4 572	49.21	225
1964	2 023	1 569	3 175	47.24	150
1965	2 428	1 569	3 810	49.34	188
1966	1 174	2 813	3 302	57.84	191
1967	2 226	3 138	6 986	58.98	412
1968	1 012	1 882	1 905	51.97	99
1969	1 214	2 092	2 540	53.15	135
1970	1 416	3 139	4 445	62.99	280
1971	3 683	3 035	11 177	49.21	550
1972	5 261	3 380	17 781	61.02	1,085
1973	6 475	3 452	22 354	120.07	2,684
1974	2 024	2 384	4 826	144.42	697
1975	4 856	3 923	19 050	120.10	2,288
1976	6 900	4 232	29 200	118.94	3,473
1977	9 700	4 062	39 400	103.07	4,061
1978	35 600	4 140	147 300	110.25	16,240
1979	53 000	3 738	198 100	124.03	24,570
1980	57 000	3 365	190 500	134.00	25,527
1981	91 000	4 750	432 000	107.00	46,224

Field Peas

Year	Planted Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1947	31,200	14.0	437	2.40	1,049
1948	17,000	16.0	272	2.30	626
1949	10,000	20.0	200	1.95	390
1950	10,000	21.0	210	2.05	430
1951	14,900	23.0	343	2.50	858
1952	18,500	25.0	462	2.25	1,040
1953	37,000	21.0	777	1.45	1,127
1954	30,000	18.0	540	2.10	1,134
1955	41,000	10.0	410	2.00	820
1956	55,600	21.0	1,168	1.50	1,752
1957	56,000	15.0	840	1.50	1,260
1958	52,000	14.0	728	2.00	1,456
1959	49,000	12.0	588	1.90	1,117
1960	41,000	18.7	767	2.00	1,534
1961	46,700	15.0	705	2.10	1,480
1962	31,800	15.7	500	2.20	1,100
1963	37,000	18.9	700	2.30	1,633
1964	59,000	23.0	1,357	1.90	2,578
1965	42,500	22.2	944	1.90	1,794
1966	46,000	15.9	731	2.25	1,645
1967	30,000	23.3	700	2.10	1,470
1968	33,000	16.0	528	2.03	1.072
1969	52,000	14.4	750	1.87	1,402
1970	60,000	17.0	1,020	1.75	1,785
1971	50,700	23.7	1,200	1.75	2,100
1972	45,000	22.2	1,000	1.90	1,900
1973	35,000	24.0	840	5.50	4,620
1974	40,000	20.8	830	6.32	5,246
1975	35,000	21.4	750	4.50	3,375
1976	38,000	26.1	990	4.75	4,702
1977	55,000	24.5	1,350	5.50	7,425
1978	63,000	30.2	1,900	4.00	7,600
1979	70,000	27.1	1,900	4.35	8,265
1980	84,000	21.4	1,800	6.50	11,700
1981	100,000	29.0	2,900	6.81	19,750

Field Peas

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per tonne $	Total ($000)
1947	12 626	942	11 893	88.20	1,049
1948	6 880	1 076	7 403	84.56	626
1949	4 047	1 345	5 443	71.65	390
1950	4 047	1 412	5 715	75.24	430
1951	6 030	1 548	9 335	91.91	858
1952	7 487	1 679	12 574	82.71	1,040
1953	14 973	1 412	21 147	53.29	1,127
1954	12 140	1 211	14 697	77.16	1,134
1955	16 592	673	11 159	73.48	820
1956	22 500	1 413	31 788	55.12	1,752
1957	22 662	1 009	22 861	55.12	1,260
1958	21 043	942	19 813	73.49	1,456
1959	19 829	807	16 003	69.80	1,117
1960	16 592	1 258	20 875	73.49	1,534
1961	18 899	1 015	19 187	77.14	1,480
1962	12 869	1 057	13 608	80.83	1,100
1963	14 973	1 272	19 051	85.72	1,633
1964	23 876	1 547	36 932	69.80	2,578
1965	17 199	1 494	25 692	69.83	1,794
1966	18 615	1 069	19 895	82.68	1,645
1967	12 140	1 569	19 051	77.16	1,470
1968	13 354	1 076	14 370	74.60	1,072
1969	21 043	970	20 412	68.69	1,402
1970	24 281	1 143	27 760	64.30	1,785
1971	20 517	1 592	32 659	64.30	2,100
1972	18 211	1 494	27 216	69.81	1,900
1973	14 164	1 614	22 861	202.09	4,620
1974	16 187	1 396	22 589	232.24	5,246
1975	14 164	1 441	20 412	165.34	3,375
1976	15 000	1 793	26 900	174.81	4,702
1977	22 000	1 668	36 700	202.32	7,425
1978	25 500	2 030	51 700	146.97	7,600
1979	28 000	1 846	51 700	159.86	8,265
1980	34 000	1 441	49 000	238.78	11,700
1981	40 500	1 950	79 000	250.00	19,750

Buckwheat

Year	Planted Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1953	23,000	18.0	414	.86	356
1954	24,000	16.5	396	.95	376
1955	35,000	11.0	385	1.10	424
1956	61,800	10.0	618	.85	525
1957	35,000	13.0	455	.75	341
1958	30,000	13.7	411	.90	370
1959	15,000	10.0	150	.90	135
1960	15,000	15.6	234	1.00	234
1961	13,200	10.8	143	1.15	164
1962	10,000	21.0	210	1.60	336
1963	15,000	20.0	300	1.45	435
1964	26,000	15.4	400	1.00	400
1965	20,000	10.0	200	1.05	210
1966	22,700	15.0	340	1.85	629
1967	45,000	11.7	525	2.00	1,050
1968	50,000	10.6	530	1.95	1,034
1969	50,000	13.0	650	1.75	1,138
1970	80,000	17.5	1,400	1.45	2,030
1971	80,000	20.0	1,600	1.50	2,400
1972	75,000	15.3	1,150	1.40	1,610
1973	65,000	13.8	900	3.75	3,375
1974	40,000	17.5	700	4.86	3,402
1975	25,000	17.2	430	3.40	1,462
1976	44,000	9.1	400	4.04	1,616
1977	80,000	18.8	1,500	4.50	6,750
1978	120,000	22.5	2,700	4.50	12,150
1979	135,000	7.4	1,000	4.38	4,382
1980	98,000	8.2	800	6.10	4,880
1981	125,000	16.8	2,100	8.26	17,342

Mustard Seed

Year	Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1965	28,000	850	23,800	.051	1,213
1966	31,500	549	17,300	.051	882
1967	29,000	700	20,300	.054	1,096
1968	65,000	846	55,000	.050	2,750
1969	37,000	810	30,000	.034	1,020
1970	25,000	840	21,000	.035	735
1971	10,300	796	8,200	.038	312
1972	15,000	833	12,500	.045	562
1973	40,000	800	32,000	.070	2,240
1974	40,000	750	30,000	.185	5,550
1975	23,000	630	14,500	.125	1,812
1976	18,000	800	14,400	.112	1,612
1977	40,000	900	36,000	.105	3,780
1978	62,000	1,032	64,000	.110	7,040
1979	25,000	840	21,000	.100	2,090
1980	44,000	818	36,000	.147	5,298
1981	45,000	933	42,000	.173	7,277

Buckwheat

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per tonne $	Farm Value Total ($000)
1953	9 308	968	9 014	39.49	356
1954	9 712	888	8 622	43.61	376
1955	14 164	592	8 383	50.58	424
1956	25 009	538	13 456	39.02	525
1957	14 164	699	9 907	34.42	341
1958	12 140	737	8 949	41.35	370
1959	6 070	538	3 266	41.33	135
1960	6 070	839	5 095	45.93	234
1961	5 342	583	3 114	52.67	164
1962	4 047	1 130	4 572	73.49	336
1963	6 070	1 076	6 532	66.60	435
1964	10 522	828	8 709	45.93	400
1965	8 094	538	4 355	48.22	210
1966	9 186	806	7 403	84.97	629
1967	18 211	628	11 431	91.86	1,050
1968	20 234	570	11 540	89.60	1,034
1969	20 234	699	14 152	80.41	1,138
1970	32 374	942	30 482	66.60	2,030
1971	32 374	1 076	34 837	68.89	2,400
1972	30 351	825	25 039	64.30	1,610
1973	26 304	745	19 600	172.19	3,375
1974	16 187	942	15 240	223.23	3,402
1975	10 117	925	9 362	156.16	1,462
1976	18 000	483	8 700	185.75	1,616
1977	32 000	1 022	32 700	206.42	6,750
1978	48 500	1 212	58 800	206.63	12,150
1979	55 000	396	21 800	201.00	4,382
1980	40 000	435	17 400	280.46	4,880
1981	50 600	910	46 000	377.00	17,342

Mustard Seed

Year	Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per tonne $	Farm Value Total ($000)
1965	11 331	953	10 796	112.44	1,213
1966	12 747	616	7 847	112.44	882
1967	11 736	785	9 208	119.05	1,096
1968	26 304	948	24 948	110.23	2,750
1969	14 973	909	13 608	74.96	1,020
1970	10 117	942	9 526	77.16	735
1971	4 168	893	3 720	83.78	312
1972	6 070	934	5 670	99.21	562
1973	16 187	897	14 515	154.32	2,240
1974	16 187	840	13 600	408.09	5,550
1975	9 308	707	6 577	275.51	1,812
1976	7 300	890	6 500	248.00	1,612
1977	16 000	1 019	16 300	231.90	3,780
1978	25 000	1 161	29 030	242.51	7,040
1979	10 000	950	9 500	220.00	2,090
1980	17 800	915	16 300	325.00	5,298
1981	18 300	1 040	19 000	383.00	7,277

Sunflowers

Year	Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1952	3,000	633	1,900	.048	91
1953	6,500	952	6,185	.043	266
1954	20,000	710	14,900	.040	596
1955	20,000	812	16,250	.042	682
1956	33,000	532	17,556	.042	737
1957	30,000	400	12,000	.040	480
1958	45,000	430	19,350	.052	1,006
1959	32,000	480	15,360	.040	614
1960	28,000	800	22,400	.045	1,008
1961	30,500	700	21,350	.045	961
1962	20,500	750	15,360	.055	845
1963	37,000	950	35,150	.044	1,547
1964	48,000	525	25,200	.050	1,260
1965	48,000	550	26,400	.0575	1,518
1966	43,100	594	25,600	.060	1,536
1967	44,000	800	35,200	.045	1,584
1968	37,000	650	24,000	.0506	1,214
1969	48,000	708	34,000	.0605	2,057
1970	65,000	800	52,000	.0685	3,562
1971	155,000	750	116,250	.061	7,091
1972	190,000	800	152,000	.070	10,640
1973	125,000	700	87,500	.1002	8,768
1974	21,000	867	18,200	.205	3,731
1975	62,000	1,065	66,000	.1031	6,805
1976	50,000	1,060	53,000	.100	5,300
1977	165,000	1,061	175,000	.115	20,125
1978	215,000	1,182	254,000	.110	27,940
1979	380,000	1,211	460,000	.110	50,714
1980	320,000	1,094	350,000	.103	36,048
1981	270,000	1,296	350,000	.103	36,093

Rapeseed (Canola)

Year	Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1957	27,500	12.5	344	1.50	516
1958	21,000	12.0	252	1.45	365
1959	12,000	15.0	180	2.00	360
1960	33,000	14.4	477	2.00	953
1961	29,300	12.3	360	1.80	648
1962	32,200	18.0	580	1.75	1,015
1963	45,000	16.9	760	2.50	1,900
1964	84,000	17.5	1,470	2.70	3,969
1965	145,000	16.6	2,407	2.45	5,897
1966	170,000	12.4	2,100	2.45	5,145
1967	145,000	15.9	2,300	1.80	4,146
1968	91,000	20.9	1,900	1.88	3,572
1969	196,000	17.9	3,500	2.40	8,400
1970	400,000	18.0	7,200	2.35	16,920
1971	581,000	20.7	12,000	2.15	25,800
1972	470,000	18.1	8,500	3.10	26,350
1973	400,000	19.2	7,700	5.84	44,968
1974	500,000	17.0	8,500	7.07	60,095
1975	750,000	16.7	12,500	5.11	63,875
1976	250,000	18.0	4,500	5.82	26,190
1977	500,000	25.6	12,800	6.31	80,703
1978	1,050,000	24.3	25,500	6.35	161,924
1979	1,350,000	18.5	25,000	6.06	151,389
1980	800,000	16.2	13,000	6.35	82,544
1981	600,000	22.5	13,500	6.23	84,150

Sunflowers

Year	Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	1 214	710	862	105.57	91
1953	2 630	1 067	2 806	94.80	266
1954	8 094	835	6 759	88.18	596
1955	8 094	911	7 371	92.52	682
1956	13 354	596	7 963	92.55	737
1957	12 140	448	5 443	88.19	480
1958	18 211	482	8 777	114.62	1,006
1959	12 950	538	6 967	88.13	614
1960	11 331	897	10 161	99.20	1,008
1961	12 343	785	9 684	99.24	961
1962	8 296	840	6 967	121.29	845
1963	14 973	1 065	15 944	97.03	1,547
1964	19 425	588	11 431	110.23	1,260
1965	19 425	616	11 975	126.76	1,518
1966	17 442	666	11 612	132.28	1,536
1967	17 806	897	15 967	99.20	1,584
1968	14 973	727	10 886	111.52	1,214
1969	19 425	794	15 422	133.38	2,057
1970	26 304	897	23 587	151.02	3,562
1971	62 725	841	52 731	134.47	7,091
1972	76 889	897	68 947	154.32	10,640
1973	50 585	785	39 690	220.91	8,768
1974	8 500	971	8 255	451.97	3,731
1975	25 090	1 193	29 937	227.31	6,805
1976	20 000	1 200	24 000	220.83	5,300
1977	67 000	1 185	79 400	253.46	20,125
1978	87 000	1 325	115 200	242.53	27,940
1979	154 000	1 355	208 700	243.00	50,714
1980	129 500	1 226	158 800	227.00	36,048
1981	109 300	1 455	159 000	227.00	36,093

Rapeseed (Canola)

Year	Hectares	Yield Per Hectare (kilograms)	Production (metric tons)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1958	8 498	673	5 715	63.87	365
1959	4 856	841	4 082	88.19	360
1960	13 354	810	10 818	88.09	953
1961	11 857	689	8 165	79.36	648
1962	13 031	1 009	13 154	77.16	1,015
1963	18 211	947	17 237	110.23	1,900
1964	33 993	981	33 340	119.05	3,969
1965	58 679	930	54 591	108.02	5,897
1966	68 796	692	47 628	108.02	5,145
1967	58 679	889	52 164	79.48	4,146
1968	36 826	1 170	43 092	82.89	3,572
1969	79 317	1 001	79 380	105.82	8,400
1970	161 872	1 009	163 296	103.62	16,920
1971	235 119	1 158	272 160	94.80	25,800
1972	190 200	1 014	192 780	136.68	26,350
1973	161 872	1 079	174 636	257.50	44,968
1974	202 300	953	192 800	311.70	60,095
1975	303 500	934	283 500	225.31	63,875
1976	101 000	1 011	102 100	256.51	26,190
1977	202 000	1 437	290 300	278.00	80,703
1978	425 000	1 360	578 300	280.00	161,924
1979	546 300	1 040	567 000	267.00	151,389
1980	324 000	980	294 800	280.00	82,544
1981	243 000	1 260	306 000	275.00	84,150

Tame Hay

Year	Acres (000)	Yield Per Acre (tons)	Production (000 tons)	Farm Value Price Per Ton $	Farm Value Total ($000)
1947	330	1.96	647	11.44	7,401
1948	317	1.94	615	11.31	6,958
1949	327	1.62	530	13.29	7,042
1950	395	2.07	819	13.08	10,712
1951	399	1.63	650	12.00	7,800
1952	417	1.55	646	13.00	8,398
1953	450	2.10	945	10.00	9,450
1954	540	2.13	1,150	10.00	11,500
1955	583	2.00	1.166	10.50	12,243
1956	634	2.00	1,268	10.00	12,680
1957	722	1.77	1,278	10.00	12,780
1958	790	1.29	1,019	13.75	14,011
1959	834	1.76	1,468	15.00	22,020
1960	934	1.72	1,606	12.90	20,717
1961	1,004	.90	904	17.50	15,820
1962	1,045	2.00	2,090	14.00	29,260
1963	1,020	1.83	1,867	15.00	28,005
1964	990	1.48	1,465	16.00	23,440
1965	960	1.70	1,632	16.50	26,928
1966	1,065	1.97	2,098	16.50	34,617
1967	1,052	1.52	1,600	17.50	28,000
1968	940	1.70	1,600	18.50	29,600
1969	1,100	1.90	1,900	16.50	31,350
1970	1,160	1.92	2,230	16.50	36,795
1971	1,084	1.94	2,100	16.50	34,650
1972	1,200	1.67	2,000	20.00	40,000
1973	1,200	1.83	2,200	30.00	66,000
1974	1,250	1.92	2,400	35.00	84,000
1975	1,250	2.00	2,500	37.00	92,500
1976	1,400	1.86	2,600	37.50	97,500
1977	1,400	1.86	2,600	37.50	97,500
1978	1,400	2.07	2,900	36.90	107,010
1979	1,350	1.93	2,600	45.36	117,950
1980	1,300	1.15	1,500	60.00	90,000
1981	1,250	2.00	2,500	54.43	136,080

Tame Hay

Year	Hectares (000)	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1947	134	4.40	587	12.61	7,401
1948	128	4.35	558	12.47	6,958
1949	132	3.63	481	14.65	7,042
1950	160	4.65	743	14.42	10,712
1951	161	3.65	590	13.23	7,800
1952	169	3.47	586	14.33	8,398
1953	182	4.71	857	11.02	9,450
1954	219	4.77	1 043	11.02	11,500
1955	236	4.48	1 058	11.57	12,243
1956	257	4.48	1 150	11.02	12,680
1957	292	3.97	1 159	11.02	12,780
1958	320	2.89	924	15.16	14,011
1959	338	3.95	1 332	16.54	22,020
1960	378	3.85	1 457	14.22	20,717
1961	406	2.02	820	19.29	15,820
1962	423	4.48	1 896	15.43	29,260
1963	413	4.10	1 694	16.53	28,005
1964	401	3.32	1 329	17.64	23,440
1965	388	3.81	1 481	18.19	26,928
1966	431	4.42	1 903	18.19	34,617
1967	426	3.41	1 452	19.29	28,000
1968	380	3.82	1 452	20.39	29,600
1969	445	3.87	1 724	18.19	31,350
1970	469	4.31	2 023	18.19	36,795
1971	439	4.34	1 905	18.19	34,650
1972	486	3.74	1 814	22.05	40,000
1973	486	4.11	1 996	33.07	66,000
1974	506	4.30	2 177	38.58	84,000
1975	506	4.30	2 268	40.78	92,500
1976	567	4.16	2 359	41.33	97,500
1977	567	4.16	2 359	41.33	97,500
1978	567	4.64	2 631	40.67	107,010
1979	546	4.32	2 359	50.00	117,950
1980	526	2.59	1 361	66.13	90,000
1981	506	4.48	2 268	60.00	136,080

Silage Corn

Year	Planted Acres (000)	Yield Per Acre (tons)	Production (000 tons)	Farm Value Price Per Ton $	Farm Value Total ($000)
1947	12	5.10	63	7.00	441
1948	13	4.40	59	7.00	413
1949	17	4.80	81	8.00	648
1950	17	5.00	84	8.00	672
1951	16	3.60	56	8.00	452
1952	21	5.00	106	7.00	742
1953	19	5.00	92	6.00	552
1954	16	4.80	76	6.00	456
1955	16	6.00	94	6.00	564
1956	19	5.10	98	6.00	588
1957	18	5.00	90	6.00	540
1958	24	4.62	110	7.50	825
1959	28	5.21	146	7.00	1,022
1960	27	5.32	143	7.00	1,001
1961	31	4.00	125	9.50	1,188
1962	38	6.75	260	7.00	1,820
1963	38	8.00	304	7.00	2,128
1964	49	5.00	245	6.00	1,470
1965	44	5.96	262	7.00	1,834
1966	37	6.15	228	7.00	1,596
1967	26	5.38	140	7.00	980
1968	30	5.69	168	7.00	1,176
1969	23	6.84	157	7.00	1,099
1970	20	6.00	120	7.00	840
1971	10	7.22	70	7.00	490
1972	22	7.27	160	10.00	1,600
1973	24	6.88	165	12.00	1,980
1974	28	7.50	210	14.00	2,940
1975	33	8.79	290	15.00	4,350
1976	33	8.48	280	15.00	4,200
1977	39	8.97	350	15.00	5,250
1978	42	9.52	400	15.00	6,000
1979	45	8.00	360	18.00	6,540
1980	75	5.60	420	25.00	10,500
1981	50	7.80	390	18.15	7,080

Silage Corn

Year	Planted Hectares	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value Price Per tonne $	Farm Value Total ($000)
1947	4 860	11.76	57	7.74	441
1948	5 260	10.17	54	7.65	413
1949	6 880	10.68	73	8.88	648
1950	6 880	11.08	76	8.84	672
1951	6 470	7.85	51	8.86	452
1952	8 500	11.31	96	7.73	742
1953	7 690	10.85	83	6.65	552
1954	6 470	10.66	69	6.61	456
1955	6 470	13.18	85	6.64	564
1956	7 690	11.56	89	6.61	588
1957	7 280	11.22	82	6.59	540
1958	9 710	10.28	100	8.25	825
1959	11 330	11.69	132	7.74	1,022
1960	10 930	11.87	130	7.70	1,001
1961	12 550	9.04	113	10.51	1,188
1962	15 380	15.34	236	7.71	1,820
1963	15 380	17.93	276	7.71	2,128
1964	19 830	11.21	222	6.62	1,470
1965	17 810	13.35	238	7.71	1,834
1966	14 970	13.82	207	7.71	1,596
1967	10 520	12.07	127	7.72	980
1968	12 140	12.55	152	7.74	1,176
1969	9 310	15.30	142	7.74	1,099
1970	8 090	13.46	109	7.71	840
1971	4 050	15.68	64	7.66	490
1972	8 900	16.31	145	11.03	1,600
1973	9 712	15.44	150	13.20	1,980
1974	11 331	16.81	191	15.39	2,940
1975	13 355	19.70	263	16.54	4,350
1976	13 000	19.54	254	16.54	4,200
1977	16 000	19.88	318	16.54	5,250
1978	17 000	21.35	363	16.54	6,000
1979	18 000	18.14	327	20.00	6,540
1980	30 000	12.70	381	27.56	10,500
1981	20 200	17.52	354	20.00	7,080

Sugar Beets

Year	Harvested Acres	Yield Per Acre (tons)	Production (tons)	Factory Value* Price Per Ton $	Factory Value* Total ($000)
1948	9,531	8.44	80,482	14.30	1,151
1949	15,562	8.15	126,785	14.33	1,817
1950	20,198	7.42	149,787	15.22	2,280
1951	19,074	9.35	178,319	14.31	2,552
1952	16,392	7.58	124,190	14.43	1,792
1953	17,455	9.29	162,161	12.21	1,980
1954	23,510	10.08	237,011	11.74	2,783
1955	20,755	9.92	205,976	13.18	2,715
1956	22,808	10.04	228,019	16.84	3,855
1957	21,419	10.22	218,892	12.53	2,743
1958	21,955	8.93	196,111	16.48	3,232
1959	17,500	10.97	191,900	11.93	2,289
1960	25,068	10.31	258,452	13.73	3,549
1961	21,141	8.90	188,099	12.92	2,430
1962	21,565	9.12	196,733	20.21	3,975
1963	28,123	12.36	347,690	16.66	5,793
1964	29,820	9.55	284,711	14.17	4,034
1965	25,917	10.12	262,273	17.16	4,501
1966	23,045	10.61	244,533	16.79	4,106
1967	26,898	8.43	226,732	17.80	4,036
1968	29,079	10.26	298,419	15.98	4,769
1969	31,062	11.05	343,169	17.30	5,937
1970	23,022	9.39	216,142	17.12	3,700
1971	30,876	11.76	363,014	19.08	6,926
1972	28,098	11.77	330,815	22.07	7,301
1973	24,670	12.47	307,583	31.87	9,803
1974	26,931	8.23	221,493	50.93	11,281
1975	31,913	12.42	396,218	36.28	14,375
1976	30,980	12.45	385,720	29.88	11,526
1977	25,267	17.41	441,032	30.24	13,337
1978	23,659	17.37	410,940	32.89	13,514
1979	22,103	12.48	275,784	70.58	19,465
1980	24,326	10.64	258,808	54.43	14,087
1981	27,747	13.50	374,500	50.53	18,924

* Includes deficiency payments starting in 1958.

Sugar Beets

Year	Harvested Hectares	Yield Per Hectare (tonnes)	Production (tonnes)	Factory Value* Price Per tonne $	Factory Value* Total ($000)
1948	3 857	18.93	73 013	15.76	1,151
1949	6 298	18.26	115 019	15.80	1,817
1950	8 174	16.62	135 887	16.78	2,280
1951	7 719	20.96	161 771	15.78	2,552
1952	6 634	16.98	112 665	15.91	1,792
1953	7 064	20.83	147 112	13.46	1,980
1954	9 514	22.60	215 016	12.94	2,783
1955	8 399	22.25	186 861	14.53	2,715
1956	9 230	22.41	206 859	18.64	3,855
1957	8 668	22.91	198 579	13.81	2,743
1958	8 885	20.02	177 912	18.17	3,232
1959	7 082	24.58	174 092	13.15	2,289
1960	10 145	23.11	234 468	15.14	3,549
1961	8 555	19.95	170 643	14.24	2,430
1962	8 727	20.45	178 476	22.27	3,975
1963	11 381	27.71	315 424	18.37	5,793
1964	12 068	21.40	258 290	15.62	4,034
1965	10 488	22.69	237 934	18.92	4,501
1966	9 326	23.79	221 840	18.51	4,106
1967	10 885	18.90	205 691	19.62	4,036
1968	11 768	23.01	270 725	17.62	4,769
1969	12 570	24.77	311 323	19.07	5,937
1970	9 317	21.05	196 084	18.87	3,700
1971	12 495	26.36	329 326	21.03	6,926
1972	11 371	26.39	300 110	24.33	7,301
1973	9 983	27.95	279 035	35.13	9,803
1974	10 898	18.44	200 935	56.14	11,281
1975	12 915	27.83	359 443	39.99	14,375
1976	12 537	27.91	349 919	32.94	11,526
1977	10 235	39.09	400 102	33.33	13,337
1978	9 574	38.94	372 800	36.25	13,514
1979	8 945	27.97	250 187	77.80	19,465
1980	9 844	23.85	234 787	60.00	14,087
1981	11 229	30.26	339 750	55.70	18,924

* Includes deficiency payments starting in 1958.

Potatoes

Year	Planted Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1947	21,600	123	2,663	1.00	2,663
1948	18,700	137	2,556	.98	2,505
1949	18,400	113	2,085	1.18	2,460
1950	19,900	142	2,826	.90	2,543
1951	15,800	142	2,244	1.48	3,321
1952	15,300	159	2,433	1.60	3,893
1953	17,300	170	2,941	.63	1,853
1954	15,700	135	2,120	1.22	2,586
1955	15,100	135	2,038	1.30	2,649
1956	16,500	185	3,052	.90	2,747
1957	15,300	115	1,760	1.70	2,992
1958	15,600	128	1,997	1.11	2,217
1959	15,500	115	1,782	.90	1,604
1960	17,000	150	2,550	.48	1,224
1961	20,300	63	1,279	.96	1,228
1962	23,000	190	4,370	.48	2,098
1963	19,800	175	3,465	.80	2,772
1964	20,800	200	4,160	1.80	7,488
1965	22,400	195	4,368	.88	3,844
1966	24,500	208	5,103	.96	4,909
1967	26,500	182	4,833	.91	4,400
1968	26,500	189	5,000	.89	4,450
1969	29,000	218	6,333	1.15	7,297
1970	33,000	187	6,167	1.10	6,810
1971	32,700	209	6,833	1.06	7,240
1972	22,000	189	4,167	1.84	7,680
1973	30,000	244	7,333	1.26	9,258
1974	35,000	233	8,167	1.58	12,878
1975	32,000	234	7,500	2.33	17,500
1976	34,500	217	7,500	1.88	14,100
1977	37,000	248	9,167	2.34	21,475
1978	37,000	306	11,333	2.17	24,560
1979	37,000	280	10,377	2.17	22,490
1980	39,500	266	10,500	3.19	33,520
1981	40,900	280	11,500	3.15	36,140

Potatoes

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per tonne $	Farm Value Total ($000)
1947	8 741	8 292	72 476	36.74	2,663
1948	7 568	9 192	69 564	36.01	2,505
1949	7 446	7 621	56 745	43.35	2,460
1950	8 053	9 551	76 912	33.06	2,543
1951	6 394	9 552	61 073	54.38	3,321
1952	6 192	10 694	66 217	58.79	3,893
1953	7 001	11 433	80 042	23.15	1,853
1954	6 353	9 082	57 698	44.82	2,586
1955	6 111	9 076	55 466	47.76	2,649
1956	6 677	12 440	83 063	33.07	2,747
1957	6 192	7 736	47 900	62 46	2,992
1958	6 313	8 609	54 350	40.79	2,217
1959	6 273	7 731	48 499	33.07	1,604
1960	6 880	10 087	69 401	17.64	1,224
1961	8 215	4 237	34 809	35.28	1,228
1962	9 308	12 778	118 934	17.64	2,098
1963	8 013	11 769	94 303	29.39	2,772
1964	8 417	13 451	113 219	66.14	7,488
1965	9 065	13 114	118 879	32.34	3,844
1966	9 915	14 007	138 883	35.35	4,909
1967	10 724	12 265	131 535	33.45	4,400
1968	10 724	12 689	136 080	32.70	4,450
1969	11 736	14 686	172 359	42.34	7,297
1970	13 354	12 569	167 841	40.57	6,810
1971	13 233	14 053	185 967	38.93	7,240
1972	8 903	12 738	113 409	67.72	7,680
1973	12 140	16 439	199 575	46.39	9,258
1974	14 164	15 690	222 260	57.94	12,878
1975	12 950	15 610	204 100	85.74	17,500
1976	14 000	14 579	204 100	69.08	14,100
1977	15 000	16 633	249 500	86.07	21,475
1978	15 000	20 560	308 400	79.64	24,560
1979	15 000	18 827	282 400	79.64	22,490
1980	16 000	15 594	285 800	117.35	33,520
1981	16 600	19 980	311 660	115.67	36,140

Crop Marketings

Crop Year	Wheat	Oats	Barley	Flax	Rapeseed
			(thousand bushels)		
1946-47	47,249	16,506	25,355	2,276	N.A.
1947-48	32,034	11,190	17,561	4,391	N.A.
1948-49	39,595	20,912	23,774	8,150	N.A.
1949-50	46,070	19,090	21,125	835	N.A.
1950-51	42,388	31,338	37,692	2,445	N.A.
1951-52	45,013	25,061	37,355	3,510	N.A.
1952-53	45,997	25,022	44,482	3,527	N.A.
1953-54	36,112	17,654	30,345	3,069	N.A.
1954-55	24,986	14,077	34,543	3,282	N.A.
1955-56	32,643	12,390	22,758	4,049	N.A.
1956-57	39,405	21,755	24,234	6,806	116
1957-58	41,642	19,362	19,613	2,898	182
1958-59	47,137	14,317	23,883	3,605	204
1959-60	48,420	7,286	17,855	3,342	220
1960-61	47,394	10,769	15,261	5,144	425
1961-62	32,626	5,302	8,207	3,284	342
1962-63	62,232	32,072	12,576	6,614	511
1963-64	50,669	14,399	8,559	7,968	647
1964-65	68,323	17,191	8,730	9,059	1,188
1965-66	68,958	21,953	13,097	13,991	2,006
1966-67	65,421	13,785	14,369	9,142	1,720
1967-68	64,755	15,460	13,616	4,738	1,820
1968-69	59,744	20,506	11,110	8,431	1,682
1969-70	52,167	9,744	27,008	8,295	2,815
1970-71	37,396	13,542	29,083	9,327	6,078
1971-72	57,203	12,906	54,783	4,593	8,588
1972-73	64,992	14,152	51,297	4,823	8,426
1973-74	61,349	14,057	46,065	6,158	6,402
1974-75	49,693	12,535	32,368	5,028	6,300
1975-76	64,091	16,598	29,007	7,609	9,152
1976-77	70,494	16,843	44,738	4,814	5,647
1977-78	92,502	18,376	53,494	10,340	11,332
1978-79	70,320	7,509	47,730	9,212	20,834
1979-80	89,949	2,503	42,278	14,484	20,803
1980-81	69,916	2,788	45,654	8,386	12,081

Crop Marketings

Crop Year	Wheat	Oats	Barley	Flax	Rapeseed
		(tonnes)			
1946-47	1 285 929	254 556	552 054	57 815	N.A.
1947-48	871 837	172 572	382 356	111 540	N.A.
1948-49	1 077 618	322 505	517 631	207 026	N.A.
1949-50	1 253 841	294 406	459 955	21 211	N.A.
1950-51	1 153 632	483 295	820 668	62 108	N.A.
1951-52	1 225 074	386 491	813 330	89 161	N.A.
1952-53	1 251 854	385 889	968 507	89 593	N.A.
1953-54	982 824	272 260	660 702	77 959	N.A.
1954-55	680 019	217 095	752 105	83 369	N.A.
1955-56	888 412	191 079	495 510	102 853	N.A.
1956-57	1 072 446	335 506	527 647	172 886	2 600
1957-58	1 133 329	298 601	427 034	73 615	4 100
1958-59	1 282 881	220 797	520 005	91 574	4 600
1959-60	1 317 799	112 365	388 757	84 893	5 000
1960-61	1 289 875	166 080	332 278	130 668	9 600
1961-62	887 949	81 767	178 691	83 420	7 800
1962-63	1 693 706	494 614	272 817	168 009	11 600
1963-64	1 379 000	222 100	186 400	202 400	14 700
1964-65	1 859 400	265 100	190 100	230 100	26 900
1965-66	1 876 700	338 600	285 200	355 400	45 500
1966-67	1 780 500	212 600	312 800	232 200	39 000
1967-68	1 762 300	238 400	296 500	120 400	41 300
1968-69	1 626 000	316 200	241 900	214 200	37 000
1969-70	1 419 800	150 300	588 000	210 700	63 800
1970-71	1 017 800	208 800	633 200	236 900	137 800
1971-72	1 556 800	190 000	1 192 800	116 700	194 800
1972-73	1 768 800	218 300	1 116 900	122 500	191 100
1973-74	1 669 600	216 800	1 002 900	156 400	145 200
1974-75	1 352 400	193 300	704 700	127 700	142 900
1975-76	1 744 300	256 000	631 600	193 300	207 600
1976-77	1 918 500	259 800	974 100	122 300	128 100
1977-78	2 517 500	283 400	1 164 700	262 800	257 000
1978-79	1 913 800	115 800	1 039 200	234 000	472 500
1979-80	2 448 000	38 600	920 500	367 900	471 800
1980-81	1 903 000	43 000	994 000	213 000	274 000

Grain Stocks on Farms

Year	Wheat	Oats	Barley	Flax
		(thousand bushels, July 31)		
1946	1,773	6,166	2,830	57
1947	1,948	6,256	3,726	86
1948	3,000	4,000	3,000	35
1949	3,000	5,000	3,000	30
1950	1,000	4,000	2,000	30
1951	1,000	7,000	3,000	45
1952	1,000	4,000	2,000	350
1953	4,000	8,500	4,000	650
1954	8,000	10,000	16,000	700
1955	3,000	5,000	8,000	700
1956	4,000	8,000	4,000	100
1957	12,000	35,000	9,000	150
1958	9,000	25,000	6,000	100
1959	8,000	17,000	11,000	200
1960	9,000	18,000	14,000	100
1961	13,000	21,000	11,000	200
1962	2,000	5,000	2,000	200
1963	6,000	13,000	3,000	100
1964	3,000	10,000	3,000	150
1965	7,000	16,000	2,000	100
1966	5,000	12,000	2,000	300
1967	7,000	8,000	3,000	100
1968	21,000	9,000	9,000	60
1969	40,000	25,000	20,000	200
1970	40,000	30,000	9,000	200
1971	19,000	9,000	5,000	800
1972	26,000	14,000	10,000	1,000
1973	5,000	8,000	8,000	100
1974	5,000	7,000	8,000	300
1975	2,000	4,000	3,000	600
1976	3,000	6,000	5,000	400
1977	21,000	10,000	4,000	500
1978	18,000	12,000	20,000	1,500
1979	41,000	8,000	25,000	2,600
1980	12,000	3,000	6,000	3,000
1981	2,021	1,945	2,985	512

Grain Stocks on Farms

	Wheat	Oats	Barley	Flax
		(tonnes , July 31)		
1946	48 254	95 092	61 618	1 448
1947	53 017	96 480	81 126	2 185
1948	81 648	61 688	65 319	889
1949	81 648	77 110	65 319	762
1950	27 216	61 688	43 546	762
1951	27 216	107 954	65 319	1 143
1952	27 216	61 688	43 546	8 891
1953	108 864	131 087	87 092	16 511
1954	217 728	154 220	348 368	17 781
1955	81 648	77 110	174 184	17 781
1956	108 864	123 376	87 092	2 540
1957	326 592	539 770	195 957	3 810
1958	244 944	385 550	130 638	2 540
1959	217 728	262 174	239 503	5 080
1960	244 944	277 596	304 822	2 540
1961	353 808	323 862	239 503	5 080
1962	54 432	77 110	43 546	5 080
1963	163 296	200 486	65 319	2 540
1964	81 648	154 220	65 319	3 810
1965	190 512	246 752	43 546	2 540
1966	136 080	185 064	43 546	7 621
1967	190 512	123 376	65 319	2 540
1968	571 536	138 798	195 957	1 524
1969	1 088 640	385 550	435 460	5 080
1970	1 088 640	462 660	195 957	5 080
1971	517 104	138 798	108 865	20 322
1972	707 616	215 908	217 730	25 402
1973	136 080	123 376	174 180	2 540
1974	136 080	107 950	174 180	7 620
1975	54 431	61 688	65 317	15 240
1976	81 646	92 533	108 900	10 160
1977	571 500	154 200	87 100	12 700
1978	490 000	185 000	435 000	38 000
1979	1 115 800	123 400	544 300	66 000
1980	326 600	46 300	130 600	76 200
1981	55 000	30 000	65 000	13 000

Horticultural Crops, Forage Seeds

Year	Production Value			
	Potatoes	Vegetables, Fruits Ornamentals	Total Horticulture	Forage Seeds
		(thousand dollars)		
1947	2,663	4,305	6,968	1,287
1948	2,505	5,107	7,612	2,810
1949	2,460	5,043	7,503	2,084
1950	2,543	4,730	7,273	1,655
1951	3,321	4,725	8,046	1,847
1952	3,893	5,190	9,083	624
1953	1,853	5,190	7,043	827
1954	2,586	7,680	10,266	1,759
1955	2,649	6,595	9,244	914
1956	2,747	7,315	10,062	1,271
1957	2,992	8,150	11,142	825
1958	2,217	9,000	11,217	682
1959	1,604	9,000	10,604	1,248
1960	1,224	9,200	10,424	1,086
1961	1,228	9,090	10,318	1,254
1962	2,098	9,330	11,428	2,105
1963	2,772	10,125	12,897	1,503
1964	7,488	9,144	16,632	1,259
1965	3,844	8,861	12,705	2,162
1966	4,909	9,078	13,987	1,762
1967	4,400	10,055	14,455	1,238
1968	4,450	9,310	13,760	571
1969	7,297	9,669	16,966	1,524
1970	6,810	9,713	16,523	1,701
1971	7,240	10,632	17,872	1,684
1972	7,680	11,280	18,960	1,542
1973	9,258	11,375	20,633	5,199
1974	12,878	16,614	29,492	2,625
1975	17,500	17,468	34,968	2,031
1976	14,100	19,153	33,253	3,050
1977	21,475	18,252	39,727	3,828
1978	24,560	20,285	44,845	7,488
1979	22,490	21,786	44,276	8,312
1980	29,280	25,077	54,357	4,902
1981	36,140	26,561	62,701	6,681

LIVESTOCK

Value of Livestock Production

Year	Cattle	Hogs	Sheep	Dairy	Poultry	Total
			(thousand dollars)			
1947	25,120	14,624	964	24,567	16,467	81,742
1948	35,380	12,364	929	30,495	18,901	98,069
1949	35,380	18,090	889	26,638	17,751	93,748
1950	37,130	15,048	789	23,376	15,967	92,310
1951	55,854	24,402	856	27,042	21,474	129,628
1952	41,040	20,592	725	26,722	20,636	109,715
1953	29,892	14,214	615	28,289	22,600	95,610
1954	30,393	18,768	549	28,748	22,955	101,413
1955	34,860	18,392	556	29,689	22,538	106,035
1956	32,384	16,560	510	29,641	24,175	103,270
1957	35,350	20,915	577	29,473	23,000	109,315
1958	51,552	30,143	608	32,307	25,362	139,972
1959	49,764	24,465	559	31,430	23,487	129,705
1960	50,142	17,820	614	30,959	22,031	121,566
1961	51,816	25,662	701	30,952	23,393	132,524
1962	53,048	19,614	609	30,962	21,907	126,140
1963	56,518	23,688	628	30,730	23,860	135,424
1964	54,120	25,740	629	29,986	23,856	134,331
1965	54,950	29,903	552	30,425	26,843	142,673
1966	66,341	38,324	500	29,999	30,179	165,343
1967	66,220	37,048	455	32,699	25,975	162,397
1968	64,944	35,010	400	33,775	28,522	162,651
1969	85,188	58,862	290	32,793	33,271	208,404
1970	92,303	63,826	183	32,063	33,294	221,669
1971	98,978	46,892	391	32,119	27,277	205,657
1972	112,880	71,940	470	35,980	31,879	253,149
1973	155,880	106,190	604	41,731	50,535	354,940
1974	147,840	79,402	621	57,561	52,902	338,326
1975	122,208	89,610	546	66,796	46,413	325,573
1976	113,004	87,591	415	70,360	58,455	329,825
1977	129,168	85,002	416	71,455	58,723	344,812
1978	180,780	110,000	596	75,122	61,437	427,935
1979	258,060	131,075	696	73,628	73,186	536,645
1980	248,880	118,064	871	85,496	80,171	533,482
1981	191,265	138,208	762	96,938	96,663	523,836

Cattle Production

Year	Commercial Marketings	Local Slaughterings	Inventory Change	Inshipments (minus)	Total	Value Per Animal $	Total Value ($000)
	(thousand animals)						
1947	248	47	+32	13	314	80	25,120
1948	307	38	-32	8	305	116	35,380
1949	293	37	-32	8	290	122	35,380
1950	261	24	-43	7	235	158	37,130
1951	214	22	+40	15	261	214	55,854
1952	209	21	+64	9	285	144	41,040
1953	257	16	+20	11	282	106	29,892
1954	281	25	+13	12	307	99	30,393
1955	268	22	+54	12	332	105	34,860
1956	292	26	+41	7	352	92	32,384
1957	346	32	-22	6	350	101	35,350
1958	356	26	-12	12	358	144	51,552
1959	300	23	+45	20	348	143	49,764
1960	317	22	+53	26	366	137	50,142
1961	402	26	-16	31	381	136	51,816
1962	313	23	+73	60	349	152	53,048
1963	347	24	+66	70	367	154	56,518
1964	399	24	+49	62	410	132	54,120
1965	528	28	-62	81	413	133	54,929
1966	508	28	-42	87	407	163	66,341
1967	500	28	-52	91	385	172	66,220
1968	468	28	-57	70	369	176	64,944
1969	392	27	+84	131	372	229	85,188
1970	416	26	+45	104	383	241	92,303
1971	417	26	+28	62	409	242	98,978
1972	432	26	+42	85	415	272	112,880
1973	429	28	+73	97	433	360	155,880
1974	398	26	+71	47	448	330	147,840
1975	512	34	−38	52	456	268	122,208
1976	567	31	−40	120	438	258	113,004
1977	639	26	−58	139	468	276	129,168
1978	523	23	−91	62	393	460	180,780
1979	444	21	−43	31	391	660	258,060
1980	444	22	−7	51	408	610	248,880
1981	367	20	-30	46	311	615	191,265

Cattle Commercial Marketings From Manitoba

Year	Under 1 Year		1 Year and Over		Total		
	Animals (000)	Value ($000)	Animals (000)	Value ($000)	Animals (000)	Value Each $	Value ($000)
1947	83	2,238	165	17,635	248	80	19,872
1948	92	3,625	215	31,930	307	116	35,555
1949	91	4,312	202	31,297	293	122	35,609
1950	86	5,425	175	35,851	261	158	41,280
1951	64	5,616	150	40,083	214	214	45,699
1952	63	3,541	146	26,653	209	144	30,194
1953	82	3,858	175	23,261	257	106	27,119
1954	88	3,785	193	23,994	281	99	27,779
1955	82	3,832	186	24,362	268	105	28,194
1956	89	3,810	203	23,114	292	92	26,924
1957	98	4,306	248	30,533	346	101	34,838
1958	101	7,845	255	43,410	356	144	51,255
1959	89	6,675	211	36,162	300	143	42,837
1960	87	6,197	230	37,387	317	137	43,584
1961	111	8,721	291	46,143	402	136	54,864
1962	93	7,921	220	39,778	313	152	47,700
1963	90	6,776	257	46,581	347	154	53,357
1964	109	6,016	290	46,649	399	132	52,665
1965	165	11,068	363	59,234	528	133	70,302
1966	156	13,081	352	69,811	508	163	82,892
1967	165	15,135	335	70,886	500	172	86,021
1968	147	13,065	321	69,510	468	176	82,575
1969	94	10,682	298	79,123	392	229	89,805
1970	97	13,738	319	86,454	416	241	100,192
1971	109	15,674	308	85,169	417	242	100,843
1972	108	16,621	324	100,766	432	272	117,387
1973	105	24,044	324	130,370	429	360	154,422
1974	73	11,460	325	119,880	398	330	131,340
1975	91	9,874	421	127,342	512	268	137,216
1976	102	11,901	465	134,385	567	258	146,286
1977	122	15,494	517	160,870	639	276	176,364
1978	76	20,748	447	219,832	523	460	240,580
1979	73	32,131	371	260,909	444	660	293,040
1980	70	25,054	374	245,786	444	610	270,840
1981	47	14,095	320	211,610	367	615	225,705

Hog Production

Year	Commercial Marketings	Local Slaughterings	Inventory Change	Total	Value Per Animal ($)	Total Value ($000)
	(thousand animals)					
1947	309	116	+ 32	457	32	14,624
1948	272	88	- 79	281	44	12,364
1949	260	90	+ 52	402	45	18,090
1950	266	104	- 28	342	44	15,048
1951	292	108	+ 98	498	49	24,402
1952	453	87	- 12	528	39	20,592
1953	321	69	- 81	309	46	14,214
1954	336	70	- 15	391	48	18,768
1955	434	84	- 34	484	38	18,392
1956	388	70	- 44	414	40	16,560
1957	332	64	+ 49	445	47	20,915
1958	464	54	+183	701	43	30,143
1959	654	87	- 42	699	35	24,465
1960	506	76	- 87	495	36	17,820
1961	519	66	+ 26	611	42	25,662
1962	467	60	- 60	467	42	19,614
1963	437	50	+ 77	564	42	23,688
1964	582	52	+ 26	660	39	25,740
1965	579	49	- 8	620	48	29,903
1966	595	47	+ 95	737	52	38,324
1967	766	56	+ 20	842	44	37,048
1968	751	53	- 26	778	45	35,010
1969	778	50	+225	1,053	54	56,862
1970	1,093	50	+215	1,358	47	63,826
1971	1,352	57	-175	1,234	38	46,892
1972	1,238	50	+ 20	1,308	55	71,940
1973	1,277	55	- 37	1,295	82	106,190
1974	1,270	53	-250	1,073	74	79,402
1975	886	52	-68	870	103	89,610
1976	835	46	+22	903	97	87,591
1977	852	37	+25	914	93	85,002
1978	895	40	+65	1,000	110	110,000
1979	1,084	36	+105	1,225	107	131,075
1980	1,250	30	−24	1,256	94	118,064
1981	1,220	23	-9	1,234	112	138,208

Commercial Hog Marketings From Manitoba

Year	Animals (000)	Value Each $	Total Value ($000)
1947	309	32	9,888
1948	272	44	11,968
1949	260	45	11,700
1950	266	44	11,704
1951	292	49	14,308
1952	453	39	17,667
1953	321	46	14,766
1954	336	48	16,128
1955	434	38	16,492
1956	388	40	15,520
1957	332	47	15,604
1958	464	43	19,952
1959	654	35	22,890
1960	506	36	18,216
1961	519	42	21,798
1962	467	42	19,614
1963	437	42	18,354
1964	582	39	22,698
1965	579	48	27,792
1966	595	52	30,940
1967	766	44	33,704
1968	751	45	33,795
1969	778	54	42,012
1970	1,093	47	51,371
1971	1,352	38	51,376
1972	1,238	55	68,090
1973	1,277	82	104,714
1974	1,270	74	93,980
1975	886	103	91,258
1976	835	97	80,995
1977	852	93	79,236
1978	895	110	98,450
1979	1,084	107	115,988
1980	1,250	94	117,500
1981	1,220	112	136,640

Sheep Production

Year	Sheep and Lamb Marketings		Wool			
	Animals (000)	Value ($000)	Pounds Shorn (000)	Kilograms Shorn (000)	Value ($000)	Total Value ($000)
1947	78	813	573	260	151	964
1948	55	817	407	185	112	929
1949	45	802	323	147	87	889
1950	31	646	265	120	143	789
1951	27	705	233	106	151	856
1952	32	634	259	117	91	725
1953	33	525	258	117	90	615
1954	34	462	264	120	87	549
1955	37	480	244	111	76	556
1956	33	425	259	117	85	510
1957	34	496	224	102	81	577
1958	34	507	254	115	101	609
1959	32	455	252	114	104	559
1960	37	502	247	112	112	614
1961	42	561	283	128	140	701
1962	36	492	256	116	117	609
1963	34	516	236	107	112	628
1964	33	528	211	96	101	629
1965	28	439	188	85	113	552
1966	24	422	163	74	78	500
1967	23	384	163	74	71	455
1968	16	337	137	62	63	400
1969	10	240	128	58	50	290
1970	6	126	149	68	57	183
1971	17	357	150	68	34	391
1972	19	437	132	60	33	470
1973	18	507	138	63	97	604
1974	18	569	142	65	52	621
1975	15	520	98	44	26	546
1976	11	374	108	49	41	415
1977	10	388	75	34	28	416
1978	11	570	60	27	26	596
1979	13	655	61	29	41	696
1980	17	806	100	45	65	871
1981	18	700	99	45	62	762

Dairy Production

Year	Milk Production		Factory Products		
	Whole Milk or Equivalent (million pounds)	Total Farm Value ($000)	Creamery Butter (000 lbs)	Cheddar Cheese (000 lbs)	Ice Cream (000 gals)
1946	1,103	21,834	26,059	3,178	1,002
1947	1,112	24,567	26,340	3,458	1,375
1948	1,075	30,495	25,402	2,531	1,645
1949	1,054	26,638	24,419	1,822	1,650
1950	983	23,376	22,522	1,434	1,496
1951	976	27,042	22,277	1,450	1,719
1952	1,008	26,722	23,549	1,415	1,832
1953	1,059	28,289	24,992	1,199	1,782
1954	1,075	28,748	25,012	1,227	1,706
1955	1,104	39,689	25,018	1,043	1,784
1956	1,079	29,641	23,360	1,069	1,665
1957	1,066	29,473	23,552	1,263	1,690
1958	1,127	32,307	26,657	693	1,752
1959	1,093	31,430	25,630	385	1,889
1960	1,070	30,959	24,778	487	2,100
1961	1,062	30,952	25,278	551	2,275
1962	1,066	30,962	25,605	631	2,367
1963	1,049	30,730	24,901	817	2,705
1964	1,011	29,986	23,563	944	2,933
1965	955	30,425	21,806	1,145	2,947
1966	885	29,999	18,868	1,441	2,908
1967	851	32,699	17,071	2,118	3,160
1968	860	33,775	17,656	2,004	3,158
1969	851	32,797	17,119	3,235	3,241
1970	825	32,063	15,652	4,230	3,362
1971	796	32,119	13,723	5,824	3,280
1972	813	35,980	13,020	9,532	3,402
1973	805	41,731	12,006	9,753	3,526
1974	763	57,592	10,165	9,366	3,862
1975	735	66,796	10,462	10,201	4,238
1976	725	70,360	8,940	10,176	4,410
1977	722	71,455	9,107	10,769	4,242
1978	642	67,780	9,427	11,290	4,345
1979	635	73,176	9,270	13,252	4,398
1980	654	85,606	9,257	15,117	4,694
1981	655	96,938	9,167	14,158	4,868

Dairy Production

Year	Milk Production		Factory Products		
	Whole Milk or Equivalent (million kilograms)	Total Farm Value ($000)	Creamery Butter (000 kgs)	Cheddar Cheese (000 kgs)	Ice Cream (000 litres)
1946	500	21,834	11 820	1 442	4 555
1947	504	24,567	11 948	1 569	6 251
1948	488	30,495	11 522	1 148	7 478
1949	478	26,638	11 076	826	7 501
1950	446	23,376	10 216	650	6 801
1951	443	27,042	10 105	658	7 815
1952	457	26,722	10 682	642	8 328
1953	480	28,289	11 336	544	8 101
1954	488	28,748	11 345	557	7 755
1955	501	39,689	11 348	473	8 110
1956	489	29,641	10 596	485	7 569
1957	484	29,473	10 683	573	7 683
1958	511	32,307	12 092	314	7 965
1959	496	31,430	11 626	175	8 587
1960	485	30,959	11 239	221	9 547
1961	482	30,952	11 466	250	10 342
1962	484	30,962	11 614	286	10 760
1963	476	30,730	11 295	371	12 297
1964	459	29,986	10 688	428	13 333
1965	433	30,425	9 891	519	13 397
1966	401	29,999	8 559	654	13 220
1967	386	32,699	7 743	961	14 365
1968	390	33,775	8 009	909	14 356
1969	386	32,79/	7 765	1 467	14 734
1970	374	32,063	7 100	1 919	15 284
1971	361	32,119	6 225	2 642	14 911
1972	369	35,980	5 906	4 324	15 465
1973	366	41,731	5 446	4 424	16 020
1974	346	57,561	4 611	4 248	17 556
1975	333	66,796	4 745	4 627	19 266
1976	329	70,360	4 055	4 616	20 448
1977	328	71,455	4 131	4 885	19 280
1978	291	67,780	4 276	5 122	19 752
1979	288	73,176	4 205	6 011	19 992
1980	297	85,606	4 199	6 857	21 338
1981	297	96,938	4 158	6 422	22 128

Poultry Production Value

Year	Eggs	Meat	Total
		(thousand dollars)	
1947	10,321	6,146	16,467
1948	11,604	7,297	18,901
1949	10,683	7,068	17,751
1950	7,734	8,233	15,967
1951	10,229	11,245	21,474
1952	9,148	11,488	20,636
1953	12,227	10,373	22,600
1954	10,565	12,390	22,955
1955	11,290	11,248	22,538
1956	11,573	12,602	24,175
1957	10,882	12,118	23,000
1958	11,327	14,035	25,362
1959	10,160	13,327	23,487
1960	9,990	12,041	22,031
1961	10,079	13,314	23,393
1962	10,467	11,440	21,907
1963	12,119	11,741	23,860
1964	11,519	12,337	23,856
1965	13,429	13,414	26,843
1966	15,877	14,302	30,179
1967	14,378	11,597	25,975
1968	16,624	11,898	28,522
1969	19,944	13,441	33,271
1970	18,679	14,615	33,294
1971	14,176	13,101	27,277
1972	15,931	15,948	31,879
1973	26,992	23,543	50,535
1974	28,280	25,047	53,327
1975	25,774	20,452	46,226
1976	30,693	27,762	58,455
1977	30,232	28,491	58,723
1978	31,805	29,632	61,437
1979	34,978	38,208	73,186
1980	40,069	40,102	80 171
1981	47,940	48,723	96,663

Livestock Prices, St. Boniface Stockyards

Year	LIVE CATTLE — Good Slaughter Steers (A3)	Good Slaughter Cows (D1 D2)	Good Feeder Steers	Good and Choice Veal	All Grades Over 500 Pounds	All Grades Calves Only	HOGS All Grades Dressed	SHEEP All Live Sheep and Lambs
	(dollars per 100 pounds)							
1949	20.04	14.54	17.46	23.71	15.75	20.11	28.47	18.39
1950	24.46	18.91	24.56	29.00	20.85	25.33	27.76	23.21
1951	31.76	25.74	30.45	35.85	27.40	32.30	30.85	28.61
1952	23.95	16.00	19.55	26.10	18.85	21.55	24.45	20.65
1953	18.14	11.48	15.01	22.68	13.87	17.64	27.40	17.39
1954	17.40	10.64	15.15	21.85	13.17	16.99	27.85	15.57
1955	18.45	11.85	16.04	23.30	13.95	18.45	22.05	15.35
1956	17.91	10.95	16.20	23.20	13.30	17.25	23.40	14.90
1957	17.78	11.90	17.00	23.65	14.23	18.26	28.20	16.28
1958	21.95	16.60	21.60	28.45	19.31	25.02	25.20	17.06
1959	23.85	17.05	22.90	31.75	20.12	24.39	21.30	16.19
1960	21.70	15.50	21.00	30.45	18.32	23.56	21.65	15.78
1961	21.40	15.50	21.45	30.35	18.55	24.35	24.85	14.95
1962	24.85	17.20	24.40	33.35	20.80	27.60	25.65	16.15
1963	23.00	17.10	23.20	32.45	20.20	24.55	24.80	17.00
1964	21.85	15.40	20.85	30.70	18.00	21.05	23.55	17.60
1965	23.25	14.80	22.05	29.80	18.15	21.35	30.65	19.15
1966	25.20	18.85	25.55	34.35	21.40	26.00	33.45	20.00
1967	26.88	19.95	26.55	38.85	22.70	27.35	27.55	18.85
1968	26.85	19.55	26.85	37.90	23.20	28.30	28.10	21.45
1969	29.10	23.95	32.00	42.05	27.40	34.60	35.45	24.15
1970	30.20	23.42	33.00	46.70	28.35	35.85	29.20	26.80
1971	32.40	23.10	33.75	47.10	28.75	36.85	22.85	24.75
1972	35.07	26.45	38.80	53.30	31.86	41.44	34.00	27.80
1973	43.53	35.06	46.76	66.44	38.91	50.90	51.31	39.93
1974	47.41	27.12	40.62	70.30	36.97	41.22	46.12	45.00
1975	40.58	21.27	35.37	44.24	28.63	26.66	62.55	49.22
1976	35.43	22.92	36.02	47.04	27.67	28.74	59.03	50.10
1977	36.47	25.10	37.66	44.37	29.88	30.23	56.78	63.64
1978	53.78	39.93	58.67	74.04	46.21	55.91	67.83	59.12
1979	69.62	56.88	80.49	110.39	64.62	84.58	64.15	82.94
1980	68.80	52.05	76.04	110.56	61.33	80.25	56.67	66.44
1981	70.26	48.10	72.55	108.37	59.31	73.26	67.40	54.82

Livestock Prices, St. Boniface Stockyards

	LIVE CATTLE						HOGS	SHEEP
	Good Slaughter Steers (A3)	Good Slaughter Cows (D1 D2)	Good Feeder Steers	Good and Choice Veal	All Grades Over 227 Kilograms	All Grades Calves Only	ALL Grades Dressed	ALL Live Sheep and Lambs
	(cents per kilogram)							
1949	44.2	32.0	38.5	52.3	34.7	44.3	62.8	40.5
1950	53.9	41.7	54.1	63.9	46.0	55.8	61.2	51.2
1951	70.0	56.8	67.1	79.0	60.4	71.2	68.0	63.1
1952	52.8	35.3	43.1	57.5	41.6	47.5	53.9	45.5
1953	40.0	25.3	33.1	50.0	30.6	38.9	60.4	38.3
1954	38.4	23.5	33.4	48.2	29.0	37.5	61.4	34.3
1955	40.7	26.1	35.4	51.4	30.8	40.7	48.6	33.8
1956	39.5	24.1	35.7	51.2	29.3	38.0	51.6	32.8
1957	39.2	26.2	37.5	52.1	31.4	40.3	62.2	35.9
1958	48.4	36.6	47.6	62.7	42.6	55.2	55.6	37.6
1959	52.6	37.6	50.5	70.0	44.4	53.8	47.0	35.7
1960	47.8	34.2	46.3	67.1	40.4	51.9	47.7	34.8
1961	47.2	34.2	47.3	66.9	40.9	53.7	54.8	33.0
1962	54.8	37.9	53.8	73.5	45.9	60.8	56.6	35.6
1963	50.7	37.7	51.2	71.5	44.5	54.1	54.7	37.5
1964	48.2	34.0	46.0	67.7	39.7	46.4	51.9	38.8
1965	51.3	32.6	48.6	65.7	40.0	47.1	67.6	42.2
1966	55.6	41.6	56.3	75.7	47.2	57.3	73.7	44.1
1967	59.3	44.0	58.5	85.7	50.0	60.3	60.7	41.6
1968	59.2	43.1	59.2	83.6	51.2	62.4	62.0	47.3
1969	64.2	52.8	70.6	92.7	60.4	76.3	78.2	53.2
1970	66.6	51.6	72.8	103.0	62.5	79.0	64.4	59.1
1971	71.4	50.9	74.4	103.8	63.4	81.2	50.4	54.6
1972	77.3	58.3	85.5	117.5	70.2	91.4	75.0	61.3
1973	96.0	77.3	103.1	146.5	85.8	112.2	113.1	74.5
1974	104.5	59.8	89.6	155.0	81.5	90.9	101.7	99.2
1975	89.5	46.9	78.0	97.5	63.1	58.8	137.9	108.5
1976	78.1	50.5	79.4	103.7	61.0	63.4	130.1	110.4
1977	80.4	55.3	83.0	97.8	65.9	66.6	125.2	140.3
1978	118.6	88.0	129.3	163.2	101.9	123.3	149.5	130.3
1979	153.5	125.4	177.4	243.4	142.5	186.5	141.4	182.8
1980	151.7	114.7	167.6	243.7	135.2	176.9	124.9	146.5
1981	154.9	106.0	159.9	238.9	130.8	161.5	148.6	120.9

Livestock on Farms

Year	Cattle: Milk Cows Only	Cattle: All Cattle	Hogs	Sheep	Hens and Chickens *	Turkeys
	(thousand animals or birds, June 1)					
1946	277	801	308	206	7,108	357
1947	267	777	325	164	7,675	440
1948	276	801	232	118	6,895	265
1949	258	758	284	99	6,824	326
1950	237	704	261	74	5,402	370
1951	223	671	338	66	6,458	311
1952	219	738	390	72	6,650	435
1953	219	772	265	75	6,330	370
1954	220	792	320	76	6,715	510
1955	221	819	351	76	5,940	550
1956	223	872	311	73	5,990	664
1957	216	885	314	72	6,350	772
1958	209	868	453	78	6,980	932
1959	202	892	503	74	7,000	1,214
1960	198	931	371	76	6,400	880
1961	196	996	432	81	6,267	1,145
1962	185	982	334	76	5,465	970
1963	175	1,066	391	73	5,700	970
1964	172	1,152	460	72	6,270	885
1965	163	1,184	421	61	5,820	1,000
1966	150	1,151	499	51	5,844	1,091
1967	137	1,099	589	45	6,330	925
1968	129	1,029	547	38	6,380	870
1969	121	1,006	615	37	7,340	825
1970	116	1,104	907	40	8,540	900
1971	110	1,138	943	42	7,613	1,033
1972	105	1,210	893	36	7,530	1,000
1973	101	1,247	956	33	4,310	NA
1974	99	1,386	826	26	4,095	NA
1975	96	1,458	582	23	3,787	NA
1976	92	1,411	632	21	3,470	NA
1977	91	1,373	650	19	NA	NA
1978	88	1,262	683	20	NA	NA
1979	80	1,227	804	26	NA	NA
1980	80	1,186	823	28	NA	NA
1981	**83**	**1,162**	**865**	**35**	**6,155**	**697**

* Hens and pullets only since 1973.

OTHER PRODUCTS

Farm Products Other Than Crops or Livestock

Production Value

Year	Honey	Fur	Forest	Total
		(thousand dollars)		
1946	899	1,474	497	2,870
1947	1,487	2,654	543	4,684
1948	1,281	958	534	2,773
1949	757	1,335	560	2,652
1950	799	1,976	564	3,339
1951	735	1,937	605	3,277
1952	490	2,459	641	3,590
1953	657	2,494	712	3,863
1954	630	2,996	645	4,271
1955	870	3,678	629	5,177
1956	896	3,636	684	5,216
1957	869	3,688	555	5,112
1958	833	3,542	436	4,811
1959	820	3,724	396	4,940
1960	870	2,971	350	4,191
1961	905	3,420	307	4,632
1962	685	3,190	300	4,175
1963	1,027	3,348	300	4,675
1964	945	3,362	235	4,542
1965	1,041	3,300	220	4,561
1966	1,368	4,770	220	6,358
1967	1,482	3,600	220	5,302
1968	643	3,585	230	4,458
1969	1,251	3,168	240	4,659
1970	1,311	1,486	250	3,047
1971	1,531	847	279	2,657
1972	3,070	922	352	4,344
1973	4,083	1,137	400	5,620
1974	3,665	710	378	4,753
1975	3,056	976	362	4,394
1976	4,557	989	482	6,028
1977	5,216	1,320	262	6,798
1978	8,030	1,600	311	9,941
1979	9,276	2,614	298	12,188
1980	9,279	2,568	280	12,127
1981	10,748	2,157	280	13,185

RESOURCES

Land Use, Manitoba Farms

Year	Improved Land					Unimproved Land	Total Land
	Crops	Pasture	Fallow	Other	Total		
	(thousand acres)						
1946	6,445	514	2,560	254	9,773	6,898	16,671
1951	7,335	585	2,519	323	10,762	6,968	17,730
1956	7,686	595	2,828	345	11,454	6,478	17,932
1961	7,689	720	3,230	325	11,964	6,206	18,170
1966	8,694	770	2,669	313	12,446	6,638	19,084
1971	9,122	731	2,655	296	12,804	6,204	19,008
1976	9,508	769	2,308	306	12,891	6,135	19,026
1981	10,923	871	1,479	328	13,601	5,218	18,819

Farm Numbers and Size

Year	Farms	Average Size	
		Total Acres	Improved Acres
1941	58,024	291	169
1946	54,448	306	179
1951	52,383	338	205
1956	49,201	364	233
1961	43,306	420	276
1966	39,747	480	313
1971	34,981	543	366
1976	32,104	595	402
1981	29,442	639	462

Land Tenure

Year	Area Operated By:				Total Area	
	Owners	Renters	Owners-renters	Managers	Owned or Managed	Rented
	(thousand acres)					
1941	9,252	3,424	4,044	171	11,609	5,283
1946	10,038	2,404	3,997	232	12,494	4,178
1951	10,536	1,784	4,989	421	13,788	3,942
1956	10,111	1,618	5,770	433	13,818	4,113
1961	9,196	1,365	7,026	583	13,716	4,454
1966	9,584	936	7,977	587	14,673	4,411
1971	8,849	917	9,242	–	14,063	4,945
1976	8,112	1,183	9,731	–	13,591	5,435
1981	6,592	1,430	10,797	—	12,596	6,223

Land Use, Manitoba Farms

Year	Improved Land					Unimproved Land	Total Land
	Crops	Pasture	Fallow	Other	Total		
	(thousand hectares)						
1941	2 561	185	1 120	112	3 978	2 858	6 836
1946	2 608	208	1 036	103	3 955	2 791	6 746
1951	2 968	237	1 019	131	4 355	2 820	7 175
1956	3 110	241	1 144	140	4 635	2 622	7 257
1961	3 112	291	1 307	132	4 842	2 511	7 353
1966	3 518	312	1 080	127	5 037	2 686	7 723
1971	3 691	296	1 074	120	5 181	2 511	7 692
1976	3 948	311	934	124	5 217	2 483	7 700
1981	4 420	353	598	133	5 504	2 112	7 616

Farm Numbers and Size

Year	Farms	Average Size	
		Total Hectares	Improved Hectares
1941	58,024	118	68
1946	54,448	124	72
1951	52,383	137	83
1956	49,201	147	94
1961	43,306	170	112
1966	39,747	194	127
1971	34,981	220	148
1976	32,104	240	162
1981	29,442	259	187

Land Tenure

Year	Area Operated By:				Total Area	
	Owners	Renters	Owners-renters	Managers	Owned or Managed	Rented
	(thousand hectares)					
1941	3 744	1 386	1 637	69	4 698	2 138
1946	4 062	973	1 618	94	5 056	1 691
1951	4 264	722	2 019	170	5 580	1 595
1956	4 092	655	2 335	175	5 592	1 665
1961	3 722	552	2 843	236	5 551	1 802
1966	3 878	379	3 228	238	5 938	1 785
1971	3 581	371	3 740	–	5 691	2 001
1976	3 283	479	3 938	–	5 500	2 200
1981	2 668	579	4 369	—	5 098	2 518

Farm and Total Population

Year	Farms	Farm Population	Manitoba Population	Percent Farm of Total
1941	58,024	249,599	729,744	34.2
1946	54,448	224,919	726,923	30.9
1951	52,383	219,233	776,541	28.2
1956	49,201	202,163	850,040	23.8
1961	43,306	172,946	921,686	18.8
1966	39,747	161,662	963,066	16.8
1971	34,981	131,202	988,247	13.3
1976	32,104	114,115	1,021,506	11.2
1981	29,442	98,375	1,026,241	9.6

Farm Labour Force

Year	Male	Female	Total
1941	90,774	1,505	92,279
1951	70,109	3,586	73,695
1961	51,700	7,601	59,301
1971	48,445	39,040	87,485
1981	N/A	N/A	N/A

Capital Investment

Year	Land and Buildings	Machinery and Equip.	Livestock	Total	Per Farm $
		(million dollars)			
1941	229	59	51	339	5,800
1946	339	94	71	504	9,300
1951	529	232	156	917	17,500
1956	604	244	110	958	19,500
1961	720	272	162	1,154	26,600
1966	1,178	380	199	1,757	44,200
1971	1,374	412	270	2,056	58,800
1976	3,208	960	367	4,535	141,300
1981	7,836	1,823	792	10,451	355,000

Crop Year	Wheat	Oats	Barley	Wheat	Oats	Barley
	(000 tonnes)			(million bushels)		
1947 - 1948	245	432	370	9	28	17
1948 - 1949	272	540	457	10	35	21
1949 - 1950	218	494	435	8	32	20
1950 - 1951	218	494	348	8	32	16
1951 - 1952	218	555	435	8	36	20
1952 - 1953	218	540	544	8	35	25
1953 - 1954	218	524	414	8	34	19
1954 - 1955	245	416	370	9	27	17
1955 - 1956	218	540	457	8	35	21
1956 - 1957	218	601	283	8	39	13
1957 - 1958	218	601	348	8	39	16
1958 - 1959	327	679	327	12	44	15
1959 - 1960	245	648	261	9	42	12
1960 - 1961	299	648	261	11	42	12
1961 - 1962	245	540	218	9	35	10
1962 - 1963	381	787	174	14	51	8
1963 - 1964	381	802	174	14	52	8
1964 - 1965	381	787	196	14	51	9
1965 - 1966	354	879	196	13	57	9
1966 - 1967	327	848	283	12	55	13
1967 - 1968	354	771	305	13	50	14
1968 - 1969	435	694	479	16	45	22
1969 - 1970	463	848	588	17	55	27
1970 - 1971	408	941	588	15	61	27
1971 - 1972	299	894	762	11	58	35
1972 - 1973	680	725	784	25	47	36
1973 - 1974	517	771	806	19	50	37
1974 - 1975	327	524	566	12	34	26
1975 - 1976	351	484	435	13	31	20
1976 - 1977	381	617	457	14	40	21
1977 - 1978	313	580	534	12	38	24
1978 - 1979	264	580	702	10	38	32
1979–1980	382	347	756	14	22	35
1980-1981	274	251	639	10	16	29

Note: These columns represent both feed and seed. The section on Sources and Methods at end of publication gives further explanation.

Machinery on Farms, 1951 - 1981

Year	Tractors	Trucks	Combines	Swathers	Balers
1951	50,984	21,163	15,268	–	–
1956	59,265	28,556	21,425	–	–
1961	61,463	31,806	23,662	20,408	8,573
1966	65,552	36,689	24,815	23,530	12,712
1971	64,587	41,306	23,325	23,833	13,472
1976	67,077	49,844	23,467	23,843	14,173
1981	67,342	54,070	22,631	24,291	15,694

Farm Machinery Sales, 1947 - 1981

Year	Tractors	Combines	Swathers	Balers
1947	3,535	1,415	1,034	–
1948	4,945	2,320	1,546	–
1949	7,741	2,288	1,822	–
1950	6,179	2,079	1,370	–
1951	5,510	2,704	1,997	–
1952	4,508	2,675	1,761	–
1953	3,663	1,899	1,291	–
1954	2,250	669	571	–
1955	2,216	892	679	–
1956	2,189	1,101	1,443	–
1957	2,015	877	861	963
1958	2,263	739	–	1,157
1959	2,486	1,009	768	1,547
1960	2,461	1,079	783	1,518
1961	1,803	496	743	1,043
1962	2,298	1,228	1,221	1,807
1963	2,735	1,378	1,328	1,187
1964	3,221	1,572	2,231	1,399
1965	3,037	1,900	2,339	1,212
1966	3,692	1,702	1,709	1,021
1967	2,973	1,454	1,838	642
1968	1,949	1,223	1,763	562
1969	1,610	642	1,100	537
1970	1,482	393	606	489
1971	1,138	482	772	485
1972	1,583	506	958	595
1973	2,371	856	1,462	779
1974	2,622	675	939	731
1975	2,823	856	1,471	1,007
1976	2,730	604	1,515	1,163
1977	2,190	1,012	1,131	850
1978	2,485	695	NA	297
1979	2,610	1,018	1,191	817
1980	2,251	781	1,249	810
1981	2,132	1,056	1,328	645

Fertilizer Sales

Year Ending June 30	Materials (tons)	Mixtures (tons)	Total (tons)	Materials (tonnes)	Mixtures (tonnes)	Total (tonnes)
1955	14,118	498	14,616	12 808	452	13 260
1956	14,780	680	15,460	13 408	617	14 025
1957	14,910	754	15,664	13 526	684	14 210
1958	15,478	811	16,289	14 042	736	14 777
1959	20,204	890	21,094	18 329	807	19 136
1960	21,607	857	22,464	19 602	777	20 379
1961	28,684	1,246	29,930	26 022	1 130	27 152
1962	33,073	1,986	35,059	30 004	1 802	31 806
1963	45,608	1,517	47,125	41 376	1 376	42 752
1964	57,229	2,620	59,849	51 918	2 377	54 295
1965	71,764	2,668	74,432	65 104	2 420	67 525
1966	149,427	3,957	153,384	135 560	3 590	139 150
1967	176,835	4,301	181,136	160 425	3 902	164 327
1968	238,352	3,910	242,662	216 233	3 547	220 143
1969	137,648	4,286	141,934	124 874	3 888	128 763
1970	128,563	4,085	132,648	116 632	3 706	120 338
1971	190,542	4,799	195,341	172 860	4 354	177 213
1972	208,610	7,997	216,607	189 251	7 255	196 506
1973	299,238	6,751	305,989	271 469	6 125	277 593
1974	350,192	9,428	359,620	317 689	8 553	326 242
1975	374,928	4,983	379,911	340 129	4 521	344 650
1976	400,989	6,159	407,148	363 771	5 587	369 358
1977	396,908	7,757	404,665	360 072	7 037	367 109
1978	497,317	5,126	502,443	451 158	4 650	455 808
1979	594,029	5,291	599,320	538 900	4 800	543 700
1980	601,746	2,425	604,171	545 900	2 200	548 100
1981	565,480	4,409	569,889	513 000	4 000	517 000

Field Crops Treated With Herbicides

Year	Thousand Hectares	Thousand Acres	Year	Thousand Hectares	Thousand Acres
1952	702	1,735	1964	1 372	3,390
1953	573	1,415	1965	1 741	4,301
1954	443	1,095	1966	1 814	4,483
1955	860	2,126	1967	1 888	4,666
1956	1 204	2,975	1968	2 051	5,067
1957	1 218	3,011	1969	1 671	4,130
1958	845	2,089	1970	1 429	3,530
1959	825	2,038	1971	1 609	3,975
1960	1 090	2,693	1972	1 796	4,439
1961	602	1,488	1973	2 085	5,153
1962	1 180	2,916	1974	2 077	5,130
1963	1 307	3,229	1975	1 797	4,439

*No estimates since 1975.

FARM INPUT PRICE INDICES
Western Canada (1971 = 100)

Year	Building and Fencing	Machinery Replacement	Machinery Operation	Crop Production	Animal Production	Supplies and Services	Hired Farm Labour	Total Farm Inputs
1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1972	110.4	103.2	103.8	103.7	111.6	103.1	108.6	107.0
1973	124.2	107.2	108.7	119.7	152.7	109.6	124.1	125.0
1974	144.6	120.3	122.0	191.6	162.3	121.1	148.3	145.3
1975	156.6	139.6	142.1	236.6	161.0	136.5	176.3	164.0
1976	173.8	148.6	158.0	229.5	163.2	150.1	203.4	174.9
1977	187.3	159.6	170.2	219.7	162.4	161.1	225.8	179.5
1978	204.8	175.7	178.7	227.4	209.5	172.7	239.9	203.0
1979	228.8	198.4	192.9	251.2	265.4	190.1	254.1	237.3
1980	240.1	223.3	223.9	313.5	261.8	207.5	272.3	261.7
1981	262.4	247.9	273.5	358.5	267.4	244.6	291.1	301.3

FARM INPUT PRICE INDEX

This index measures the impact of price changes on the cost of a constant base-year basket of capital material and service inputs. Items included are weighted according to relative importance and grouped according to farm use. The groups in the above table consist of the following sub groups or items.

Building and Fencing—includes building replacement and repairs (materials and labour) and fencing construction and repairs.

Machinery Replacement—(1) includes tractors, combines, ploughs, disc harrows, grain drills, manure spreaders, balers, automobiles and trucks.

Machinery and Motor Vehicle Operation—(1) includes petroleum products, maintenance, licence and motor vehicle insurance.

Crop Production—(2) includes grain legume and grass seed, fertilizer, pesticides and twine.

Animal Production—(2) includes feeder livestock—cattle, hogs, chick and turkey poults feed—prepared and grain feed; and artificial insemination.

Supplies and Services—includes small tools, electricity, telephone and custom work.

Hired Labour—includes hourly, daily and monthly rates.

(1) Farm share only.
(2) Aggregations of only a partial list of inputs identifiable to the respective types of farming and should not be construed as production cost indices.

Farm Cash Income

Year	Crop Sales	Livestock Sales	Other Sources	Total
		(thousand dollars)		
1947	109,457	67,286	5,050	181,793
1948	150,154	91,320	5,071	246,545
1949	152,671	89,827	4,735	247,233
1950	103,784	90,131	5,292	199,207
1951	167,952	98,770	5,289	272,011
1952	152,255	87,135	4,495	243,885
1953	130,172	84,299	4,667	219,138
1954	93,497	88,917	5,901	188,315
1955	79,121	87,825	11,423	178,369
1956	114,421	88,360	8,264	211,045
1957	97,046	94,782	6,304	198,132
1958	100,752	115,667	14,384	230,803
1959	112,999	109,284	8,245	230,528
1960	113,551	103,085	16,031	232,667
1961	114,251	119,932	8,877	243,060
1962	136,175	108,195	17,159	261,529
1963	146,994	115,400	7,819	270,213
1964	170,174	121,566	7,994	299,734
1965	183,481	149,892	8,790	342,163
1966	201,188	168,536	7,462	377,186
1967	189,907	171,846	11,180	372,933
1968	173,715	171,404	19,697	364,816
1969	148,198	175,278	26,933	350,409
1970	148,578	201,142	9,357	340,363
1971	173,534	193,326	1,705	368,565
1972	238,799	237,785	13,068	489,652
1973	324,353	327,613	-22,174	629,792
1974	507,424	335,523	-15,890	827,057
1975	557,409	350,536	24,203	932,148
1976	481,197	358,645	55,175	895,017
1977	455,444	382,535	61,303	899,282
1978	594,813	486,910	50,409	1,132,132
1979	704,354	553,932	50,066	1,308,352
1980	814,622	581,936	67,041	1,463,599
1981	938,300	610,448	96,639	1,645,387

Farm Cash Income From Crop Sales

Year	Wheat	Oats	Barley	Flax	Other Crops	Total Crops
			(thousand dollars)			
1947	53,641	8,464	20,755	18,650	7,947	109,457
1948	74,798	11,009	22,446	31,048	10,493	150,154
1949	99,019	13,639	23,493	6,580	9,940	152,671
1950	45,387	12,985	29,656	6,732	9,024	103,784
1951	87,524	19,861	39,885	10,645	10,037	167,952
1952	72,289	15,656	43,449	11,578	9,283	152,255
1953	63,175	13,143	36,981	8,003	8,870	130,172
1954	36,149	10,330	29,396	7,557	10,065	93,497
1955	29,975	6,331	24,266	10,394	8,155	79,121
1956	50,534	11,641	23,594	16,611	12,041	114,421
1957	46,184	10,354	14,425	11,143	14,940	97,046
1958	58,122	7,649	16,156	7,952	10,873	100,752
1959	66,990	6,548	18,724	11,113	9,624	112,999
1960	66,349	6,378	15,108	12,189	13,527	113,551
1961	81,431	5,522	10,367	12,603	4,328	114,251
1962	77,416	10,129	11,395	20,654	16,581	136,175
1963	91,003	12,478	9,362	16,707	17,444	146,994
1964	99,867	12,437	10,067	29,337	18,466	170,174
1965	110,968	11,593	12,172	25,320	23,428	183,481
1966	114,363	14,457	13,936	33,996	24,436	201,188
1967	120,418	12,171	15,830	20,655	20,833	189,907
1968	109,486	11,292	17,127	15,192	20,618	173,715
1969	72,057	12,886	13,268	25,685	24,302	148,198
1970	72,317	6,347	21,472	17,613	30,829	148,578
1971	77,144	7,747	31,961	14,710	41,972	173,534
1972	113,272	11,553	45,302	12,988	55,684	238,799
1973	120,963	15,684	69,946	38,538	79,222	324,353
1974	225,296	14,649	100,889	61,350	105,240	507,424
1975	287,418	28,879	99,019	38,140	103,953	557,409
1976	243,167	23,883	80,402	39,878	93,867	481,197
1977	182,541	22,154	70,868	42,100	137,781	455,444
1978	234,190	15,685	99,335	54,597	191,006	594,813
1979	281,272	6,198	102,944	77,173	236,767	704,354
1980	384,023	4,906	93,564	92,919	239,210	814,622
1981	468,611	6,963	148,039	71,448	243,239	938,300

Farm Cash Income From Livestock Sales

Year	Cattle	Hogs	Sheep	Dairy	Poultry	Total
			(thousand dollars)			
1947	21,652	13,628	826	18,972	12,208	67,286
1948	38,672	14,528	743	22,874	14,503	91,320
1949	39,156	16,388	755	19,599	13,929	89,827
1950	44,703	15,098	652	17,366	12,312	90,131
1951	44,135	17,275	632	19,785	16,943	98,770
1952	30,531	19,052	515	19,997	17,040	87,135
1953	28,452	14,755	443	21,379	19,270	84,299
1954	30,046	16,441	411	21,874	20,145	88,917
1955	28,153	16,405	454	22,806	20,007	87,825
1956	28,356	14,996	406	23,051	21,551	88,360
1957	35,105	15,717	449	22,834	20,677	94,782
1958	46,556	20,501	484	25,040	23,086	115,667
1959	39,920	23,185	461	24,144	21,574	109,284
1960	40,297	17,884	466	23,868	20,570	103,085
1961	51,440	22,475	525	24,084	21,408	119,932
1962	43,730	19,863	502	24,096	20,004	108,195
1963	48,186	18,851	476	23,984	23,903	115,400
1964	50,713	23,291	452	23,699	23,411	121,566
1965	71,573	27,415	462	24,209	26,233	149,892
1966	78,400	34,867	345	24,484	30,440	168,536
1967	80,698	35,988	339	27,390	27,431	171,846
1968	77,819	35,484	269	28,388	29,444	171,404
1969	69,605	43,376	295	27,592	34,410	175,278
1970	81,742	57,603	183	27,247	34,367	201,142
1971	85,593	51,211	362	27,642	28,518	193,326
1972	105,548	66,293	362	32,096	33,486	237,785
1973	132,136	104,071	402	36,909	54,095	327,613
1974	131,791	94,758	497	52,246	56,231	335,523
1975	152,366	87,866	390	60,273	49,641	350,536
1976	158,042	79,981	355	61,498	58,769	358,645
1977	183,188	78,129	345	63,338	57,535	382,535
1978	254,099	105,128	486	67,705	59,492	486,910
1979	294,217	117,147	806	73,176	68,586	553,932
1980	307,302	112,635	1,004	85,606	75,389	581,936
1981	287,240	138,885	876	96,938	86,509	610,448

Farm Cash and Overhead Expenses

Year	Machinery Operation	Depreciation Buildings and Machinery	Interest on Debt	Rent and Taxes	Hired Labour	Feed and Seed Bought Commercially	Fertilizer	Other	Total
				(000 dollars)					
1947	23,404	15,689	2,631	17,490	11,636	11,559	664	7,683	90,755
1948	28,560	18,852	2,691	20,297	11,383	13,812	849	8,741	105,185
1949	33,612	22,280	2,782	19,322	11,308	13,239	1,345	9,391	113,279
1950	38,603	27,533	2,917	20,197	11,922	12,243	1,698	10,040	125,153
1951	36,169	30,918	5,495	20,452	11,899	11,376	2,107	10,545	128,961
1952	37,457	32,915	5,961	21,039	12,243	10,324	2,684	10,389	133,012
1953	39,064	36,119	6,257	17,725	11,926	9,228	3,377	11,107	134,803
1954	37,342	36,754	6,379	15,514	11,136	10,381	2,386	10,948	130,660
1955	39,251	35,508	6,805	16,600	10,256	11,173	1,526	10,966	132,085
1956	41,176	35,005	6,749	19,157	11,058	12,187	1,571	11,901	138,804
1957	41,682	35,703	6,717	17,860	11,523	11,726	1,666	11,518	138,395
1958	41,396	36,351	7,020	19,361	11,930	13,430	1,584	13,011	144,083
1959	43,585	36,500	7,627	20,214	12,024	14,300	2,120	14,197	150,567
1960	46,518	37,939	8,222	21,927	12,108	15,302	2,213	15,010	159,239
1961	43,309	38,415	9,299	18,756	12,361	16,309	3,398	13,860	155,707
1962	47,858	40,792	10,641	25,514	13,048	21,511	3,046	14,961	177,371
1963	50,963	42,799	12,021	23,605	13,513	21,730	4,271	16,640	185,542
1964	52,704	46,453	13,238	25,087	13,531	24,496	5,543	18,084	199,136
1965	52,046	50,728	16,746	26,630	14,633	27,228	7,086	20,655	215,747
1966	55,454	55,427	18,854	27,498	14,887	34,400	14,728	22,698	243,946
1967	54,457	62,380	21,022	28,983	16,322	42,912	17,852	24,467	271,395
1968	58,727	68,203	24,494	31,153	17,112	40,148	24,007	24,970	288,814
1969	60,953	70,100	28,183	29,900	17,008	40,261	12,190	21,384	279,979
1970	64,482	55,968	28,918	29,486	18,781	21,224	10,906	37,648	267,413
1971	60,949	53,478	22,275	27,272	16,228	30,788	15,780	46,896	273,666
1972	65,567	55,190	31,487	25,253	16,891	36,736	19,903	57,357	307,384
1973	76,247	60,089	28,210	35,301	18,925	53,233	26,708	65,799	364,512
1974	96,805	77,967	38,512	40,800	22,921	72,156	36,732	84,353	470,246
1975	105,862	104,760	43,997	50,074	26,900	75,269	59,390	91,080	557,332
1976	116,982	129,358	57,735	54,549	28,174	83,510	65,274	120,736	656,318
1977	129,142	141,903	63,175	62,836	31,050	87,762	73,516	135,044	724,428
1978	147,582	159,529	81,757	76,015	35,121	91,348	101,402	158,050	850,804
1979	162,145	183,769	118,994	92,966	41,255	120,486	133,540	196,908	1,050,063
1980	180,539	210,291	148,722	104,955	47,215	162,687	145,361	216,180	1,215,950
1981	224,959	235,362	207,107	123,979	49,369	181,980	180,538	234,986	1,438,280

INCOME

Farm Net Income

Year	Cash Income	Other Income	Gross Income	Overhead and Cash Expense	Net Income
			(million dollars)		
1947	182	23	205	91	114
1948	247	35	282	105	177
1949	247	4	251	113	138
1950	199	35	234	125	109
1951	272	37	309	129	180
1952	244	51	295	133	162
1953	219	29	248	135	113
1954	188	13	201	131	70
1955	178	42	220	132	88
1956	211	57	268	139	129
1957	198	13	211	138	73
1958	231	42	273	144	129
1959	231	21	253	151	102
1960	233	34	267	159	108
1961	243	- 30	213	156	57
1962	262	77	339	177	162
1963	270	23	293	186	107
1964	300	56	356	199	157
1965	342	43	385	216	169
1966	377	15	392	244	148
1967	373	52	425	271	154
1968	365	86	451	289	162
1969	350	45	395	281	114
1970	341	36	377	267	110
1971	369	57	426	274	152
1972	490	-17	473	307	166
1973	630	106	736	365	371
1974	827	-39	788	470	318
1975	932	23	955	557	398
1976	895	51	946	656	290
1977	899	125	1,024	724	300
1978	1,132	59	1,191	851	340
1979	1,309	-32	1,277	1,050	227
1980	1,464	-188	1,276	1,216	60
1981	1,645	220	1,865	1,438	427

Income Per Farm

Year	Farms	Net (Production minus cost)	Cash (Sales)
		(dollars per farm)	
1947	54,000	2,100	3,400
1948	53,600	3,300	4,600
1949	53,100	2,600	4,700
1950	52,700	2,100	3,800
1951	52,383	3,434	5,193
1952	52,000	3,106	4,690
1953	51,250	2,211	4,276
1954	50,500	1,388	3,729
1955	49,750	1,776	3,585
1956	49,201	2,614	4,289
1957	47,900	1,515	4,136
1958	46,700	2,763	4,942
1959	45,600	2,227	5,055
1960	44,400	2,426	5,240
1961	43,306	1,308	5,613
1962	42,600	3,806	6,139
1963	41,900	2,552	6,449
1964	41,200	3,805	7,275
1965	40,500	4,145	8,416
1966	39,747	3,889	9,470
1967	38,700	3,989	9,637
1968	37,700	4,305	9,677
1969	36,700	3,110	9,548
1970	35,800	3,085	9,507
1971	34,981	4,334	10,536
1972	34,400	4,824	14,234
1973	33,825	10,958	18,619
1974	33,250	9,572	24,874
1975	32,675	12,173	28,528
1976	32,104	9,036	27,878
1977	31,200	9,626	28,823
1978	30,200	11,260	37,488
1979	29,300	7,737	44,654
1980	29,300	2,039	49,952
1981	29,442	14,123	55,886

Price Index of Farm Products

(1971 = 100)

1953	92	1960	91	1967	108	1974	235
1954	85	1961	98	1968	103	1975	228
1955	84	1962	104	1969	102	1976	211
1956	85	1963	101	1970	101	1977	202
1957	83	1964	98	1971	100	1978	232
1958	90	1965	102	1972	119	1979	272
1959	90	1966	109	1973	193	1980	297
						1981	312

Comparative Precipitation at Winnipeg

(millimetres)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1955	39	38	28	25	49	119	49	13	32	46	90	52	579
1956	44	27	40	6	50	57	85	137	20	51	49	38	604
1957	18	24	26	40	44	127	43	90	61	30	18	6	525
1958	11	16	9	30	11	69	144	24	20	39	81	28	482
1959	6	25	25	17	118	59	91	100	97	87	18	10	653
1960	18	11	31	50	34	55	17	78	24	47	12	19	396
1961	3	42	14	43	10	3	84	4	58	25	4	31	321
1962	22	40	30	17	132	54	155	174	16	18	55	11	723
1963	7	30	18	90	66	87	54	53	16	20	15	27	482
1964	17	5	50	54	34	119	22	71	34	6	16	30	460
1965	6	14	14	65	91	60	80	34	65	14	44	38	526
1966	9	10	41	47	38	36	86	105	18	22	26	21	460
1967	21	9	18	73	28	50	111	57	23	45	15	21	470
1968	21	5	13	32	99	83	144	143	59	40	4	9	652
1969	48	9	10	25	77	105	101	57	61	27	9	19	548
1970	23	15	27	65	87	50	70	75	112	27	27	23	601
1971	11	5	44	60	47	76	115	17	50	72	22	6	524
1972	16	10	20	13	29	50	60	103	61	25	10	25	424
1973	2	6	14	21	103	88	123	66	82	37	40	19	602
1974	39	11	15	59	156	18	32	110	45	5	6	13	510
1975	46	16	19	46	48	120	58	133	42	38	13	17	595
1976	30	23	23	32	10	182	37	59	10	2	1	18	428
1977	12	21	10	5	178	88	85	90	148	30	28	19	715
1978	10	8	11	23	123	51	61	18	83	10	43	21	462
1979	9	20	45	74	93	65	23	76	25	15	15	11	472
1980	34	18	13	0	8	45	24	110	86	33	25	11	405
1981	23	3	15	13	48	90	39	104	72	60	6	7	480
Average 1956-1980	19	16	22	38	67	72	74	80	53	31	25	19	520

Comparative Precipitation at Winnipeg

	Jan.	Feb.	Mar.	Apr.	May	June	July (inches)	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1955	1.52	1.48	1.10	0.99	1.94	4.67	1.93	0.51	1.27	1.80	3.55	2.04	22.80
1956	1.73	1.07	1.56	0.25	1.98	2.23	3.33	5.39	0.78	2.01	1.93	1.51	23.77
1957	0.70	0.95	1.01	1.56	1.73	5.00	1.68	3.50	2.40	1.18	0.70	0.25	20.66
1958	0.44	0.63	0.35	1.20	0.42	2.70	5.65	0.96	0.80	1.55	3.20	1.09	18.99
1959	0.22	0.98	1.00	0.67	4.63	2.33	3.57	3.94	3.83	3.44	0.71	0.38	25.70
1960	0.69	0.45	1.21	1.96	1.34	2.18	0.67	3.09	0.93	1.84	0.48	0.75	15.59
1961	0.11	1.64	0.53	1.70	0.39	0.13	3.29	0.16	2.30	1.00	0.17	1.21	12.63
1962	0.87	1.57	1.19	0.67	5.21	2.11	6.11	6.83	0.62	0.73	2.15	0.42	28.48
1963	0.26	1.16	0.73	3.56	2.59	3.43	2.12	2.09	0.63	0.79	0.58	1.05	18.99
1964	0.66	0.20	1.98	2.14	1.34	4.69	0.88	2.80	1.36	0.23	0.62	1.20	18.10
1965	0.22	0.55	0.53	2.55	3.60	2.37	3.15	1.36	2.55	0.57	1.74	1.51	20.70
1966	0.37	0.41	1.61	1.85	1.50	1.41	3.38	4.14	0.71	0.85	1.03	0.83	18.09
1967	0.81	0.37	0.69	2.86	1.11	1.98	4.37	2.25	0.89	1.78	0.58	0.83	18.52
1968	0.84	0.19	0.52	1.27	3.90	3.26	5.66	5.63	2.31	1.59	0.15	0.35	25.67
1969	1.87	0.34	0.39	1.00	3.02	4.13	3.99	2.25	2.40	1.07	0.37	0.74	21.57
1970	0.90	0.59	1.08	2.57	3.41	1.99	2.74	2.95	4.41	1.05	1.05	0.92	23.66
1971	0.42	0.18	1.72	2.37	1.85	2.99	4.53	0.67	1.96	2.84	0.88	0.23	20.64
1972	0.63	0.41	0.79	0.51	1.14	1.98	2.37	4.06	2.41	0.97	0.41	1.00	16.68
1973	0.10	0.25	0.54	0.83	4.06	3.47	4.84	2.58	3.23	1.46	1.58	0.75	23.69
1974	1.54	0.44	0.60	2.31	6.14	0.70	1.26	4.32	1.81	0.21	0.22	0.51	20.06
1975	1.80	0.61	0.74	1.80	1.86	4.73	2.29	5.22	1.64	1.50	0.51	0.67	23.37
1976	1.17	0.91	0.91	1.24	0.41	7.19	1.45	2.32	0.39	0.10	0.03	0.72	16.84
1977	0.49	0.82	0.39	0.20	7.00	3.48	3.36	3.53	5.83	1.19	1.12	0.74	28.15
1978	0.40	0.30	0.45	0.90	4.83	2.03	2.38	0.73	3.25	0.40	1.68	0.82	18.17
1979	0.35	0.79	1.78	2.89	3.67	2.56	0.91	3.00	0.98	0.61	0.58	0.44	18.56
1980	1.34	0.69	0.52	0	0.31	1.77	0.93	4.32	3.37	1.30	0.98	0.43	15.96
1981	0.91	0.13	0.57	0.50	1.87	3.56	1.54	4.08	2.85	2.35	0.23	0.29	18.88
Average													
1956-1981	0.76	0.63	0.89	1.51	2.66	2.86	2.94	3.16	2.10	1.25	0.91	0.75	20.46

Seasonal Data

Year	Assiniboine River Entirely Clear of Ice at Winnipeg	Date Wheat Seeding Became General	Wheat Harvest Begun Generally	Ground Frozen So as to Stop Plowing Generally
1947	April 20	May 6	Aug. 6	Nov. 7
1948	April 24	May 12	Aug. 19	Nov. 10
1949	April 16	May 2	Aug. 8	Nov. 19
1950	April 24	May 29	Sept. 2	Nov. 11
1951	April 20	May 11	Aug. 15	Oct. 31
1952	April 18	April 19	Aug. 8	Nov. 24
1953	April 15	May 5	Aug. 15	Nov. 21
1954	April 18	May 18	Aug. 16	Nov. 25
1955	April 11	May 20	Aug. 5	Nov. 2
1956	April 26	May 14	Aug. 15	Nov. 10
1957	April 19	May 4	Aug. 15	Nov. 15
1958	April 10	April 22	Aug. 20	Nov. 17
1959	April 15	April 23	Aug. 13	Nov. 3
1960	April 16	May 21	Aug. 19	Nov. 7
1961	April 21	May 15	Aug. 14	Nov. 5
1962	April 26	June 5	Sept. 3	Nov. 15
1963	April 12	June 1	Aug. 10	Nov. 20
1964	April 22	May 18	Aug. 17	Nov. 10
1965	April 16	May 26	Aug. 17	Nov. 7
1966	April 13	May 25	Aug. 23	Nov. 4
1967	April 23	May 20	Aug. 19	Nov. 21
1968	April 12	May 22	Aug. 27	Nov. 7
1969	April 19	May 21	Aug. 26	Nov. 11
1970	April 25	June 2	Aug. 25	Nov. 16
1971	April 19	May 18	Aug. 26	Oct. 30
1972	April 20	May 15	Aug. 29	Oct. 27
1973	April 5	May 10	Aug. 23	Oct. 30
1974	April 20	June 4	Sept. 10	Nov. 18
1975	April 18	May 16	Aug. 21	Nov. 20
1976	April 11	May 11	Aug. 14	Dec. 2
1977	April 12	May 10	Aug. 12	Nov. 22
1978	April 17	May 14	Aug. 31	Nov. 9
1979	April 25	June 7	Sept. 10	Nov. 22
1980	April 2	May 1	Aug. 26	Nov. 26
1981	April 2	May 2	Aug. 25	Nov. 28

SOURCES AND METHODS

Preparation of this Yearbook was similar to that used since the series began in 1963. A large percentage of the material presented for the current year is based on preliminary estimates derived from sample data. Revisions of estimates made in previous Yearbooks are included in this report.

The regular statistics program of Manitoba Agriculture is the major source of material for the Yearbook. This involves close cooperation with Statistics Canada and coordination of information from many sources, including Agriculture Canada, other government and private agencies and business firms dealing in farm products and supplies. Farmers contributed through livestock and crop reporting, as did field and other staff members of Manitoba Agriculture. Basic data from Statistics Canada were derived from mail surveys in cooperation with Manitoba Agriculture. Survey samples vary from one percent to ten percent of farmers, depending on the type of information required.

Regional data for crop districts in the Yearbook can be supplemented by more detailed data for municipalities from the 1981 Census of Agriculture. The Census also provides some information on features of agriculture not covered in this Yearbook. Census division and crop district boundaries were changed in 1976 and Statistics Canada's estimates of crop production using the new boundaries were first made in 1977. Thus, small area estimates since 1977 are not comparable with earlier data.

Some figures may not add due to rounding.

CROPS

Total Value of Production. This includes all crops grown on farms in the current year for sale, feed, seed and home consumption at prevailing market prices during the crop year. Disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. With few exceptions, production value for each crop represents value to the producer.

Prices. Prices used to calculate production value for most crops are those farmers receive at the shipping point. This is regarded as farm value because freight, handling and other marketing charges are deducted. Transport costs incurred by farmers in delivering grain to elevators are included with farm expenses. Average prices for all crops are estimated final prices, based on Manitoba Agriculture market outlook work. As a result, production value is more comparable with previous years, since initial payments would grossly underestimate crop value. Prices are subject to revision after all relevant sales and payments have been made. Small revisions will be necessary in current prices of crops when more information on sales and payments is available.

Areas. For major crops areas are estimated by Statistics Canada in cooperation with Manitoba Agriculture. Minor crops, such as sugar beets, sunflowers and mustard seed, are estimated through contacts with dealers, processors and Department field staff. Estimates, in most cases, are for seeded area while yields are reported on the land devoted to a crop at seeding time. Oats and barley are on a harvested area basis. The November estimate (Statistics Canada 22-002) contains latest area in yield estimates, with a few exceptions as noted.

Yields. Major crop yields are derived from Statistics Canada surveys, integrated with the Manitoba crop reporting program. Minor crops are estimated mainly through the latter and revised as market data require. In some cases, yield multiplied by area may not exactly equal production, due to the rounding of one or more of the three items.

Wheat. Quality data on protein content are obtained from the Canadian Grain Commission. Distribution by grade is based on Wheat Board Special Questionnaire No. 1, November when elevator agents estimate the amounts of deliverable grain in each grade. Initial payments to producers are reported by the Wheat Board. Thunder Bay selling prices are recorded by the Canadian Grain Commission. Prices listed are rounded to the nearest cent while marketing data are provided by the Canadian Grain Commission. Such data are also published by Statistics Canada in Coarse Grains Quarterly and Wheat Review.

Oats and Barley. Distribution by grades and initial payments have the same sources as wheat. Since private firms, in addition to the Wheat Board, sell these grains, Lakehead selling prices are Winnipeg Commodity Exchange cash quotations. Final prices are more closely represented than the Wheat Board selling price alone. Marketing data are from the same sources as wheat.

Flaxseed, Rapeseed (canola) and Other Crops. These were treated, for the most part, similarly to the above. Regional data were not always available but verbal description was used when possible. Sugar beets are on a harvested area basis. Values are at the factory level, obtained from the Manitoba Sugar Company, except for the current crop which is estimated. Deduction of freight would not allow the remaining figure to indicate properly the actual sugar beet price, as it would vary considerably depending on the farm location. Forage seed data are from Plant Products Division, Agriculture Canada and the forage specialist, Manitoba Agriculture.

Horticultural Crops. Included are vegetables, potatoes, fruit and ornamentals. The commercial vegetable area and prices are estimated jointly by Statistics Canada and Manitoba Agriculture. An estimate of minor crops, such as peppers, eggplants, vine and specialty crops, is included in the value of vegetable production. Value of noncommercial vegetables represents the value of home-grown vegetables in the province. Processing potato area was obtained from the processors.

Different levels of prices were used with respect to processing, fresh market and farm-consumed potatoes to arrive at the total value. Other horticultural values, including fruits and ornamentals, are derived also in consultation with the provincial horticulturists.

In addition to the major crops listed, production of field beans, fababeans, canary grass seed and lentils also took place.

LIVESTOCK

Production value of cattle and hogs includes inventory change. A gain in numbers on farms is a part of production but a decline during the year is a loss in production. Inventory figures are from Statistics Canada surveys. Animals in the category "local slaughterings" are those farmers kill and eat, kill and sell, or sell locally for slaughter and consumption. These animals, as well as commercial marketings, are a part of production. Inshipments are those animals (1) returned to farms for further feeding after being marketed from other Manitoba farms or (2) brought in from other provinces, usually Saskatchewan. To avoid double counting in the value of production, inshipments are deducted. Commercial marketings include direct exports to other provinces and the United States of animals which do not go through the stockyards but are of Manitoba origin.

Total values of all classes of livestock marketed were estimated from Agriculture Canada's *Annual Winnipeg Stockyards Report*. From these figures the dollar value per animal, less marketing costs, is calculated and applied to animals produced.

Market and Quality. Data for cattle and hogs are obtained principally from Agriculture Canada's publication "Canada Livestock and Meat Trade Report". Prices are from the same Department and pertain to Stockyard sales, upon which the value of all marketings is based. Calves are defined, generally, as under one year of age or 550 pounds (249 kilograms).

Sheep. Sources are the same as those for cattle and hogs. Production calculation is based on marketings only, due to the small number involved. Wool sources are from Statistics Canada's publications 23-203, 23-204 and 23-205.

Dairy. Production figures are obtained from Statistics Canada, primarily publication 23-001. Production values and itemization were supplied by the Agricultural Division of Statistics Canada. The supplementary payments were not allocated to the different classes of milk but were added in the total value of dairy production.

Poultry. Inventory figures are from the same source as other livestock. Monthly prices are the average of recorded weekly prices from Agriculture Canada. Production values for eggs were obtained from Statistics Canada, publication 23-003. The value for hatching eggs was estimated by Manitoba Agriculture.

Broiler production was calculated on the basis of registered marketings. Roasting chickens were calculated according to placements as indicated by Agriculture Canada's Hatchery Outlook publication and allowing for a ten percent mortality figure. Broiler turkeys are listed equal to registered marketings of turkeys, ten pounds and under, and roasting birds are estimated according to marketings and other information. Ducks are listed according to marketings plus an on-farm allowance. Geese are shown according to marketings, exports and Agriculture Canada survey data. Poultry meat prices are calculated per bird according to average weights and information on recorded prices by Agriculture Canada.

OTHER PRODUCTS

Honey. Production estimates are made cooperatively by Statistics Canada and Manitoba Agriculture.

Fur. Data are obtained from Statistics Canada's publication 23-207. These data cover only production from fur farms.

Forest. Products are those listed as sales in Statistics Canada farm income estimates.

RESOURCES

Most resource information for census years are from Statistics Canada, Census Division. Annual summerfallow estimates since 1976 are made cooperatively by Statistics Canada and Manitoba Agriculture.

Farm Numbers. These are taken from the Census according to the current definition of a farm. In 1966 and 1971, a farm was defined as an agricultural holding of one acre (.40469 hectares) or more with sales during the previous twelve months of $50.00 or more. Previous definitions were less restrictive. The 1981 Census definition is an agricultural holding with sales of agricultural products during the past 12 months of $250.00 or more. Farm estimates for intervening years are unofficial estimates by Manitoba Agriculture.

Labour Force. Statistics are from the Labour Census, Statistics Canada 94-921 and the 1981 Census of Agriculture 96-908. Wage rates in August come from Statistics Canada.

Cash and Overhead Expenses. These data are taken from Farm Operating Expenses and Depreciation Charges published in Statistics Canada's Farm Net Income publication 21-202.

Machinery. Sales data are from the Canadian Farm and Industrial Equipment Institute.

Fertilizer. Sales data are from the Western Canada Fertilizer Association.

Herbicide. Data are obtained from annual Manitoba Agriculture surveys in contact with wholesalers and manufacturers.

Price Index of Purchases by Farmers. These data come from Statistics Canada's publication 62-002, rounded to the nearest whole number. The indices were revised to 1971 and the base year changed from 1961 to 1971.

LAND VALUES

Data were obtained from the records of land sales in Manitoba compiled by the Manitoba Agricultural Lands Protection Board.

INCOME

Cash and net farm income data on a provincial basis are obtained from Statistics Canada publications. Statistics Canada's publication 21-202 (latest available issue) is the source for total cash income. The main source for farm cash details is Statistics Canada's publication 21-001 (latest available issue).

Calculations on a per farm basis are made by Manitoba Agriculture and may not truly reflect exact averages. Census farms, as a basis, are not the only contributors to total sales. Small units, not called farms, do sell produce but it is almost negligible. Per farm figures are rounded to the nearest $100.00. The price index of farm products is obtained from Statistics Canada's publication 62-003, rounded to the nearest whole number and approximated for the current year. Current-year indices are subject to under-representation since they are based on initial prices for grains.

AGRICULTURE IN PERSPECTIVE

Description in relation to Canada makes use of data with the same sources as similar material throughout the Yearbook for Manitoba.

WEATHER DATA

These are obtained on a regular basis for Manitoba Agriculture Reporting Program from the Weather Office, Atmospheric Environment Service, Department of Environment, Room 1000, 266 Graham Avenue, Winnipeg, Manitoba.

METRIC CONVERSION FACTORS

1 acre = 0.40469 hectares
1 pound = 0.45359 kilograms
1 ounce = 28.35 grams
1 Imperial ton = 0.907185 tonnes
1 Imperial bushel = 0.036368 cubic metres
1 Imperial gallon = 4.546 litres
1 Imperial fluid ounce = 28.413 millilitres
1 foot = 0.3048 metres
1 inch = 2.54 centimetres
°C (Celsius) = 5/9 (°Fahrenheit -32)